



Vente des Équipements
Hydrauliques & Pneumatiques



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INDEX

Products

Page No.

HYDRAULIC GEAR PUMPS POMPES A ENGRENAGES HYDRAULIQUES	1
TANDEM GEAR PUMPS POMPES À ENGRENAGES TANDEM	9
MONOBLOCK CONTROLE VALVES VANNES DE COMMANDE MONOBLOC	12
SPECIAL DIRECTIONAL CONTROLE VALVES VANNES DE COMMANDE DIRECTIONNELLES SPÉCIALES	14
ELECTRO HYDRAULIC CONTROLE VALVES VANNES DE COMMANDE ELECTRO-HYDRAULIQUES	18
JOYSTICK CONTROL FOR SPOOL VALVES JOYSTICK CONTRÔLE POUR VANNES	19
ORBIT MOTORS MOTEURS ORBIT	20
MOTOR BRAKES FREINS MOTEUR	28
HYDRAULIC GEAR MOTORS MOTEURS HYDRAULIQUES	30
HYDRAULIC STEERING UNITS UNITÉS DE DIRECTION HYDRAULIQUE	31
SPECIAL VALVES FOR HYDRAULIC MOTORS VANNES SPÉCIALES POUR MOTEURS HYDRAULIQUES	33
POWER PACKS PACKS D'ALIMENTATION	34
SOLENOID AND MODULAR VALVES ELECTROVANNE ET VANNES MODULAIRES	42

VALVES VANNES	45
OIL COOLERS REFROIDISSEURS D'HUILE	55
MECHANICAL COUPLINGS RACCORDS MECANQUES	57
FORKLIFT GROUP GROUPE CHARIOT ELEVATEUR	58
TRACTOR GROUP GROUPE TRACTEUR	68
GROUP 20 BIDIRECTIONAL GEAR PUMPS GROUPE 20 POMPES À ENGRENAGES BIDIRECTIONNELS	81
GROUP 30 CAST IRON PUMPS GROUPE 30 POMPES EN FONTE	82
GROUP 35 & 40 CAST IRON PUMPS GROUPE 35 & 40 POMPES EN FONTE	83
PISTON PUMPS POMPES À PISTON	84
SPECIAL PUMPS POMPES SPÉCIALES	85
PUMP FLANGES BRIDES DE POMPE	86
PROCESSED ELASTIC GEAR COUPLINGS ACCOUPEMENTS ÉLASTIQUES	89
SUCTION FILTERS AND TANK COVERS FILTRES D'ASPIRATION ET COUVERCLES DE RÉSERVOIR	90
WELDLESS STEEL TANKS FOR POWER PACKS RÉSERVOIRS EN ACIER SANS SOUDURE POUR PACKS ÉLECTRIQUES	91

CARTRIDGE VALVES VANNES À CARTOUCHE	92
CYLINDERS AND COMPONENTS VERINS ET COMPOSANTS	94
COMPONENTS FOR HYDRAULIC SYSTEM / SEALS COMPOSANTS POUR CIRCUITS HYDRALIQUES / JOINTS	95
STANDARD CYLINDERS VERINS STANDARD	96
HEAD BUSHES TETE DE GUIDAGE	97
PISTON	98
RAW MATERIAL MATIERES PREMIERES	99
ACCUMULATORS AND MEASUREMENT INSTRUMENTS ACCUMULATEURS ET INSTRUMENTS DE MESURE	100
CRIMP FITTINGS RACCORDS à SERTIR	101
BSP AND METRIC ADAPTERS ADAPTATEURS BSP ET METRIQUES	103
PISTON SEALS JOINTS DE PISTON	104
ROD SEALS JOINTS DE TIGE	105
WIPERS RACLEURS	106
GUIDE RINGS BAGUES DE GUIDAGE	107

HYDRAULIC GEAR PUMPS

POMPES A ENGRENAGES HYDRAULIQUES

GROUP 1 PUMPS

Code Number	Displacement		Rated Pressure Bar	Max. Speed d/dk
	cm ³	Lt (1500d/dk)		
HA/C027XH	1.22	1.83	175	3500
HA/C036XH	1.63	2.45	175	3500
HA/C048XH	2.18	3.27	175	3500
HA/C060XH	2.72	4.08	175	3500
HA/C072XH	3.27	4.90	175	3500
HA/C084XH	3.81	5.71	175	3500
HA/C096XH	4.36	6.54	120	3500
HA/C012XH	5.7	8.55	125	3500



HA/C...X



HA/C...XT



GROUP 2 PUMPS

Code Number	Displacement		Rated Pressure Bar	Max. Speed d/dk
	cm ³	Lt (1500d/dk)		
HA/C10XH	4.5	6.75	200	3500
HA/C14XH	6.3	9.45	200	3500
HA/C18XH	8.2	12.3	200	3500
HA/C25XH	11.3	16.9	200	3000
HA/C33XH	15	22.5	200	2500
HA/C42XH	19	28.5	175	2000

GROUP 3 PUMPS

Code Number	Displacement		Rated Pressure Bar	Max. Speed d/dk
	cm ³	Lt (1500d/dk)		
HA/C43XH	20	30	200	3500
HA/C54XH	25	37.5	200	3500
HA/C72XH	32.7	49	200	2500
HA/C94XH	42.7	64	160	1500



HHX032

GROUP 00 PUMPS

Code Number	Displacement		Rated Pressure Bar	Max. Speed d/dk
	cm ³	Lt (1500d/dk)		
HH 00A/C0.25X032	0.25	0.37	200	3500
HH 00A/C0.5X032	0.50	0.75	200	3500
HH 00A/C0.75X032	0.75	1.12	200	3500
HH 00A/C1X032	1.00	1.00	200	3000
HH 00A/C1.25X032	1.25	1.87	200	2500
HH 00A/C1.5X032	1.50	2.25	175	2000
HH 00A/C1.75X032	1.75	2.65	160	1500
HH 00A/C2X032	2.00	3.00	160	1500



HHX033

GROUP 00 PUMPS

Code Number	Displacement		Rated Pressure Bar	Max. Speed d/dk
	cm ³	Lt (1500d/dk)		
HH 00A/C0.25X033	0.25	0.37	200	3500
HH 00A/C0.5X033	0.50	0.75	200	3500
HH 00A/C0.75X033	0.75	1.12	200	3500
HH 00A/C1X033	1.00	1.00	200	3000
HH 00A/C1.25X033	1.25	1.87	200	2500
HH 00A/C1.5X033	1.50	2.25	175	2000
HH 00A/C1.75X033	1.75	2.62	160	1500
HH 00A/C2X033	2.00	3.00	160	1500



HHX047

GROUP 00 PUMPS

Code Number	Displacement		Rated Pressure Bar	Max. Speed d/dk
	cm ³	Lt (1500d/dk)		
HH 00A/C0.25X047	0.25	0.37	200	3500
HH 00A/C0.5X047	0.50	0.75	200	3500
HH 00A/C0.75X047	0.75	1.12	200	3500
HH 00A/C1X047	1.00	1.00	200	3000
HH 00A/C1.25X047	1.25	1.87	200	2500
HH 00A/C1.5X047	1.50	2.25	175	2000
HH 00A/C1.75X047	1.75	2.65	160	1500
HH 00A/C2X047	2.00	3.00	160	1500

HYDRAULIC GEAR PUMPS

POMPES A ENGRENAGES HYDRAULIQUES


HHX302
GROUP 10 PUMPS

Code Number	Displacement		Rated Pressure Bar	Max. Speed d/dk
	cm ³	lt (1500d/dk)		
HH 10C0.8X302	0.8	1.2	230	6000
HH 10C1.1X302	1.1	1.6	230	6000
HH 10C1.3X302	1.3	1.95	230	6000
HH 10C1.8X302	1.8	2.7	230	6000
HH 10C2.1X302	2.1	3.15	230	6000
HH 10C2.7X302	2.7	4.00	230	6000
HH 10C3.2X302	3.2	4.8	210	5000
HH 10C3.7X302	3.7	5.5	210	4500
HH 10C4.2X302	4.2	6.3	210	4000
HH 10C4.8X302	4.8	7.2	190	3500
HH 10C5.8X302	5.8	8.7	190	3000
HH 10C7X302	7.00	10.5	160	2500
HH 10C8X302	8.00	12.00	160	2100
HH 10C9.X302	9.00	13.5	130	1800

HHX026
GROUP 10 PUMPS

Code Number	Displacement		Rated Pressure Bar	Max. Speed d/dk
	cm ³	lt (1500d/dk)		
HH 10A/C1X026	1.00	1.5	250	3500
HH 10A/C1.25X026	1.25	1.87	250	3500
HH 10A/C1.6X026	1.60	2.40	250	3500
HH 10A/C2X026	2.00	3.00	250	3500
HH 10A/C2.5X026	2.50	3.75	250	3500
HH 10A/C3.15X026	3.15	4.72	250	3500
HH 10A/C3.65X026	3.65	5.47	250	3500
HH 10A/C4.2X026	4.20	6.30	250	3000
HH 10A/C5X026	5.00	7.50	250	2500
HH 10A/C5.7X026	5.70	8.55	200	2000
HH 10A/C6.1X026	6.10	9.15	200	2000

HHX001
GROUP 10 PUMPS

Code Number	Displacement		Rated Pressure Bar	Max. Speed d/dk
	cm ³	lt (1500d/dk)		
HH 10A/C1X001	1.00	1.5	250	3500
HH 10A/C1.25X001	1.25	1.87	250	3500
HH 10A/C1.6X001	1.60	2.40	250	3500
HH 10A/C2X001	2.00	3.00	250	3500
HH 10A/C2.5X001	2.50	3.75	250	3500
HH 10A/C2.15X001	3.15	4.72	250	3500
HH 10A/C3.65X001	3.65	5.47	250	3500

HYDRAULIC GEAR PUMPS POMPES A ENGRENAGES HYDRAULIQUES



HHX006

GROUP 20 PUMPS

Code Number	Displacement		Rated Pressure Bar	Max. Speed d/dk
	cm ³	lit (1500d/dk)		
HH 20A/C4.5X006	4.5	6.75	250	3500
HH 20A/C6.3X006	6.3	9.45	250	3500
HH 20A/C8.2X006	8.2	12.3	250	3500
HH 20A/C10X006	10	15	250	3500
HH 20A/C11X006	11	16.5	250	3500
HH 20A/C12X006	12	18	250	3500
HH 20A/C14X006	14	21	250	3500
HH 20A/C15X006	15	22.5	250	3000
HH 20A/C16X006	16	24	250	2500
HH 20A/C19X006	19	28.5	200	2500
HH 20A/C22X006	22	33	180	2000
HH 20A/C25X006	25	37.5	160	2000
HH 20A/C28X006	28	42	160	2000



HHX007

HHX007 / HHX008

GROUP 20 PUMPS

Code Number	Displacement		Rated Pressure Bar	Max. Speed d/dk
	cm ³	lit (1500d/dk)		
HH 20A/C4.5X...	4.5	6.75	250	3500
HH 20A/C6.3X...	6.3	9.45	250	3500
HH 20A/C8.2X...	8.2	12.3	250	3500
HH 20A/C10X...	10	15	250	3500
HH 20A/C11X...	11	16.5	250	3500
HH 20A/C12X...	12	18	250	3500
HH 20A/C14X...	14	21	250	3500
HH 20A/C15X...	15	22.5	250	3000
HH 20A/C16X...	16	24	250	2500
HH 20A/C19X...	19	28.5	200	2500
HH 20A/C22X...	22	33	180	2000
HH 20A/C25X...	25	37.5	160	2000



HHX008


HHX016
GROUP 20 PUMPS

Code Number	Displacement		Rated Pressure Bar	Max. Speed d/dk
	cm ³	lt (1500d/dk)		
HH 20A/C4.5X016...	4.5	6.14	250	3500
HH 20A/C6.3X016...	6.3	8.69	250	3500
HH 20A/C8.2X016...	8.2	11.32	250	3500
HH 20A/C10X016...	10	13.95	250	3500
HH 20A/C11X016...	11	15.76	250	3500
HH 20A/C12X016...	12	16.92	250	3500
HH 20A/C14X016...	14	19.95	250	3500
HH 20A/C15X016...	15	21.6	250	2500
HH 20A/C16X016...	16	23	250	2500
HH 20A/C19X016...	19	27.36	200	2500
HH 20A/C22X016...	22	31.68	180	2000
HH 20A/C25X016...	25	36	160	2000


HHX086
GROUP 20 PUMPS

Code Number	Displacement		Rated Pressure Bar	Max. Speed d/dk
	cm ³	lt (1500d/dk)		
HH 20A/C4.5X086	4.5	6.75	250	3500
HH 20A/C6.3X086	6.3	9.45	250	3500
HH 20A/C8.2X086	8.2	12.3	250	3500
HH 20A/C10X086	10	15	250	3500
HH 20A/C11X086	11	16.5	250	3500
HH 20A/C12X086	12	18	250	3500
HH 20A/C14X086	14	21	250	3500
HH 20A/C15X086	15	22.5	250	3000
HH 20A/C16X086	16	24	250	2500
HH 20A/C19X086	19	28.5	200	2500
HH 20A/C22X086	22	33	180	2000
HH 20A/C25X086	25	37.5	160	2000

HYDRAULIC GEAR PUMPS POMPES A ENGRENAGES HYDRAULIQUES



H20A(C)...X104



H20A(C)...X030(G,U)



Pump With Bearing

GROUP 20 PUMPS

Code Number	Displacement		Rated Pressure Bar	Max. Speed d/dk
	cm ³	lt (1500d/dk)		
HH 20A/C4.5X...	4.5	6.75	250	3500
HH 20A/C6.3X...	6.3	9.45	250	3500
HH 20A/C8.2X...	8.2	12.3	250	3500
HH 20A/C10X...	10	15	250	3500
HH 20A/C11X...	11	16.5	250	3500
HH 20A/C12X...	12	18	250	3500
HH 20A/C14X...	14	21	250	3500
HH 20A/C15X...	15	22.5	250	3000
HH 20A/C16X...	16	24	250	2500
HH 20A/C19X...	19	28.5	200	2500
HH 20A/C22X...	22	33	180	2000
HH 20A/C25X...	25	37.5	160	2000

HHX104/ HHX030

GROUP 20 PUMPS

Code Number	Displacement		Rated Pressure Bar	Max. Speed d/dk
	cm ³	lt (1500d/dk)		
HH 20A/C4.5X...	4.5	6.75	250	3500
HH 20A/C6.3X...	6.3	9.45	250	3500
HH 20A/C8.2X...	8.2	12.3	250	3500
HH 20A/C10X...	10	15	250	3500
HH 20A/C11X...	11	16.5	250	3500
HH 20A/C12X...	12	18	250	3500
HH 20A/C14X...	14	21	250	3500
HH 20A/C15X...	15	22.5	250	3000
HH 20A/C16X...	16	24	250	2500
HH 20A/C19X...	19	28.5	200	2500
HH 20A/C22X...	22	33	180	2000
HH 20A/C25X...	25	37.5	160	2000

HX146



HX353



HHX146/HHX353

GROUP 30 PUMPS

Code Number	Displacement		Rated Pressure Bar	Max. Speed d/dk
	cm ³	lt (1500d/dk)		
HH 30A/C20X146	20	30	250	2500
HH 30A/C22.5X146	22.5	33.7	250	2500
HH 30A/C25X146	25	37.5	250	2500
HH 30A/C32X146	32	48	250	2500
HH 30A/C36X146	36	54	250	2300
HH 30A/C42X146	42	63	230	2300
HH 30A/C46X146	46	69	230	2100
HH 30A/C50X146	50	75	200	2100
HH 30A/C55X146	55	82.5	200	1750
HH 30A/C60X146	60	90	180	1750

HX236

GROUP 30 PUMPS

Code Number	Displacement		Rated Pressure Bar	Max. Speed d/dk
	cm ³	lt (1500d/dk)		
HH 30A/C20X236	20	30	250	2500
HH 30A/C22.5X236	22.5	33.7	250	2500
HH 30A/C25X236	25	37.5	250	2500
HH 30A/C32X236	32	48	250	2500
HH 30A/C36X236	36	54	250	2300
HH 30A/C42X236	42	63	230	2300
HH 30A/C46X236	46	69	230	2100
HH 30A/C50X236	50	75	200	2100
HH 30A/C55X236	55	82.5	200	1750
HH 30A/C60X236	60	90	180	1750



HHX163

GROUP 30 PUMPS

Code Number	Displacement		Rated Pressure Bar	Max. Speed d/dk
	cm ³	lit (1500d/dk)		
HH 30A/C20X163	20	30	250	3000
HH 30A/C22.5X163	22.5	33.7	250	3000
HH 30A/C25X163	25	37.5	250	3000
HH 30A/C28X163	28	42	250	3000
HH 30A/C32X163	32	48	250	3000
HH 30A/C36X163	36	54	250	2800
HH 30A/C42X163	42	63	230	2500
HH 30A/C46X163	46	69	230	2300
HH 30A/C50X163	50	75	200	2100
HH 30A/C55X163	55	82.5	200	1750
HH 30A/C60X163	60	90	180	1750



GROUP 35 PUMPS

Code Number	Displacement		Max. Continuous Pressure Bar	Max. Continuous Speed d/dk
	cm ³	lit (1500d/dk)		
HH K35A(C)28X146	28	42	285	2300
HH K35A(C)30X146	30	45	285	2300
HH K35A(C)32X146	32	48	285	2300
HH K35A(C)34X146	33.8	50.7	285	2300
HH K35A(C)36X146	36	54	285	2300
HH K35A(C)40X146	40	60	280	2100
HH K35A(C)43X146	43.8	65.7	280	2100
HH K35A(C)51X146	51.73	77.6	230	2100
HH K35A(C)55X146	55	82.5	225	2000
HH K35A(C)61X146	61.95	93	225	2000



GEAR PUMP SEAL KIT

Code Number	Description
HDPTT-1	Group 1 Seal Kit
HDPTT-2	Group 2 Seal Kit
HDPTT-3	Group 3 Seal Kit
HDPTT-10	Group 10 Seal Kit
HDPTT-20	Group 20 Seal Kit
HDPTT-30	Group 30 Seal Kit

TANDEM GEAR PUMPS POMPES À ENGRENAGES TANDEM

I

GROUP 20 + GROUP 10

II



FRONT PUMP

Code Number	Displacement cm ³
HH 20A/C4.5X168	4.5
HH 20A/C6.3X168	6.3
HH 20A/C8.2X168	8.2
HH 20A/C10X168	10
HH 20A/C11X168	11
HH 20A/C12X168	12
HH 20A/C14X168	14
HH 20A/C15X168	15
HH 20A/C16X168	16
HH 20A/C19X168	19
HH 20A/C22X168	22
HH 20A/C25X168	25

REAR PUMP

Code Number	Displacement cm ³
HH 10A/C1X179	1
HH 10A/C1.25X179	1.25
HH 10A/C1.6X179	1.6
HH 10A/C2X179	2
HH 10A/C2.5X179	2.5
HH 10A/C3.15X179	3.15
HH 10A/C3.65X179	3.65
HH 10A/C4.2X179	4.2
HH 10A/C5X179	5
HH 10A/C5.7X179	5.7
HH 10A/C6.1X179	6.1



HX067

HX095

I

GROUP 20 + GROUP 20

GROUP 20 + GROUP 20 + GROUP 20

II

III

FRONT PUMP

Code Number	Displacement cm ³
HH 20A/C4.5X067	4.5
HH 20A/C6.3X067	6.3
HH 20A/C8.2X067	8.2
HH 20A/C10X067	10
HH 20A/C11X067	11
HH 20A/C12X067	12
HH 20A/C14X067	14
HH 20A/C15X067	15
HH 20A/C16X067	16
HH 20A/C19X067	19
HH 20A/C22X067	22
HH 20A/C25X067	25

MIDDLE PUMP

Code Number	Displacement cm ³
HH 20A/C4.5X156	4.5
HH 20A/C6.3X156	6.3
HH 20A/C8.2X156	8.2
HH 20A/C10X156	10
HH 20A/C11X156	11
HH 20A/C12X156	12
HH 20A/C14X156	14
HH 20A/C15X156	15
HH 20A/C16X156	16
HH 20A/C19X156	19
HH 20A/C22X156	22
HH 20A/C25X156	25

REAR PUMP

Code Number	Displacement cm ³
HH 20A/C4.5X066	4.5
HH 20A/C6.3X066	6.3
HH 20A/C8.2X066	8.2
HH 20A/C10X066	10
HH 20A/C11X066	11
HH 20A/C12X066	12
HH 20A/C14X066	14
HH 20A/C15X066	15
HH 20A/C16X066	16
HH 20A/C19X066	19
HH 20A/C22X066	22
HH 20A/C25X066	25

TANDEM GEAR PUMPS POMPES À ENGRENAGES TANDEM



I

GROUP 30 + GROUP 20

II

FRONT PUMP		REAR PUMP	
Code Number	Displacement cm ³	Code Number	Displacement cm ³
HH 30A/C20X198	20	HH 20A/C4.5X201	4.5
HH 30A/C22.5X198	22.5	HH 20A/C6.3X201	6.3
HH 30A/C25X198	25	HH 20A/C8.2X201	8.2
HH 30A/C32X198	32	HH 20A/C10X201	10
HH 30A/C36X198	36	HH 20A/C11X201	11
HH 30A/C42X198	42	HH 20A/C12X201	12
HH 30A/C46X198	46	HH 20A/C14X201	14
HH 30A/C50X198	50	HH 20A/C15X201	15
HH 30A/C55X198	55	HH 20A/C16X201	16
		HH 20A/C19X201	19
		HH 20A/C22X201	22
		HH 20A/C25X201	25



I

GROUP 30 + GROUP 30

II

FRONT PUMP		REAR PUMP	
Code Number	Displacement cm ³	Code Number	Displacement cm ³
HH 30A/C20X241	20	HH 30A/C20X242	20
HH 30A/C22.5X241	22.5	HH 30A/C22.5X242	22.5
HH 30A/C25X241	25	HH 30A/C25X242	25
HH 30A/C32X241	32	HH 30A/C32X242	32
HH 30A/C36X241	36	HH 30A/C36X242	36
HH 30A/C42X241	42	HH 30A/C42X242	42
HH 30A/C46X241	46	HH 30A/C46X242	46
HH 30A/C50X241	50	HH 30A/C50X242	50
HH 30A/C55X241	55	HH 30A/C55X242	55



GR 10 HIGH-LOW PUMPS

Code Number	Front Pump Displacement		Rear Pump Displacement		Front Pump Max. Pressure	Rear Pump Max. Pressure	Max. Speed rev/min
	cm ³	Lt (1500d/dk)	cm ³	Lt (1500d/dk)	bar	bar	
HH 10C1.6X650/6.9X651HL	1.6	2.4	6.9	10.35	230	35	3500
HH 10C2.5X650/4.8X651HL	2.5	3.75	4.8	7.2	230	35	3500
HH 10C3.2X650/2.5X651HL	3.2	4.8	2.5	3.75	210	35	3500
HH 10C4.4X650/8X651HL	4.4	6.6	8	12	210	35	3500

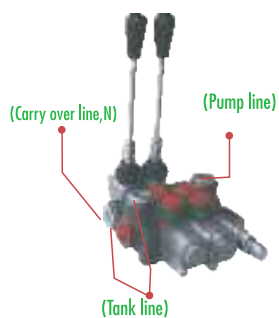


GR 20 HIGH-LOW PUMPS

Code Number	Front Pump Displacement		Rear Pump Displacement		Front Pump Max. Pressure	Rear Pump Max. Pressure	Max. Speed rev/min
	cm ³	Lt (1500d/dk)	cm ³	Lt (1500d/dk)	bar	bar	
HH 22C5/12X815R	5	7.5	12	18	250	70	3000
HH 22C3.5/11X815R	3.5	5.25	11	16.5	250	70	3000
HH 22C3.5/6.5X815R	3.5	9.75	6.5	9.75	250	70	3000
HH 22C4.5/7X815R	4.5	6.75	7	10.5	250	70	3000
HH 22C10/18X815R	10	15	18	27	200	70	3000

MONOBLOCK CONTROLE VALVES

VANNES DE COMMANDE MONOBLOC



P40

Code Number	Port Size		Nominal Flow L/min.	Rated Pressure Bar	Back Pressure Max. Bar
H1P40 Single	3/8"	1/2"	40	320	25
H2P40 Two Fold	3/8"	1/2"	40	320	25
H3P40 Three Fold	3/8"	1/2"	40	320	25
H4P40 Four Fold	3/8"	1/2"	40	320	25
H5P40 Five Fold	3/8"	1/2"	40	320	25
H6P40 Six Fold	3/8"	1/2"	40	320	25
H7P40 Seven Fold	3/8"	1/2"	40	320	25



P80

Code Number	Port Size	Nominal Flow L/min.	Rated Pressure Bar	Back Pressure Max. Bar
H2P80 Two Fold	1/2"	80	320	25
H3P80 Three Fold	1/2"	80	320	25
H4P80 Four Fold	1/2"	80	320	25
H5P80 Five Fold	1/2"	80	320	25
H6P80 Six Fold	1/2"	80	320	25



P35

Code Number	Port Size	Nominal Flow L/min.	Rated Pressure Bar	Back Pressure Max. Bar
H1P35A1 Single	3/8"	35	320	25



P120

Code Number	Port Size		Nominal Flow L/min.	Rated Pressure Bar	Back Pressure Max. Bar
H1P120 Single	3/4"	1"	120 160	320	25
H2P120 Two Fold	3/4"	1"	120 160	320	25
H3P120 Three Fold	3/4"	1"	120 160	320	25
H4P120 Four Fold	3/4"	1"	120 160	320	25



Manual override

Z50 DIRECT SOLENOID CONTROL VALVE ON-OFF

Code Number	Nominal Flow L/min.	Max. Operating Pressure bar	Voltage V
H Z50 On - Off Single	50	P: 250, T: 50, A-B: 300	12 / 24 V
H 2Z50 On - Off Two Fold	50	P: 250, T: 50, A-B: 300	12 / 24 V
H 3Z50 On - Off Three Fold	50	P: 250, T: 50, A-B: 300	12 / 24 V
H 4Z50 On - Off Four Fold	50	P: 250, T: 50, A-B: 300	12 / 24 V
H 5Z50 On - Off Five Fold	50	P: 250, T: 50, A-B: 300	12 / 24 V
H 6Z50 On - Off Six Fold	50	P: 250, T: 50, A-B: 300	12 / 24 V
H 7Z50 On - Off Seven Fold	50	P: 250, T: 50, A-B: 300	12 / 24 V



Z80 DIRECT SOLENOID CONTROL VALVE ON-OFF

Code Number	Nominal Flow L/min.	Max. Operating Pressure bar	Voltage V
H Z80 On - Off Single	80	P: 250, T: 50, A-B: 300	12 / 24 V
H 2Z80 On - Off Two Fold	80	P: 250, T: 50, A-B: 300	12 / 24 V
H 3Z80 On - Off Three Fold	80	P: 250, T: 50, A-B: 300	12 / 24 V
H 4Z80 On - Off Four Fold	80	P: 250, T: 50, A-B: 300	12 / 24 V
H 5Z80 On - Off Five Fold	80	P: 250, T: 50, A-B: 300	12 / 24 V
H 6Z80 On - Off Six Fold	80	P: 250, T: 50, A-B: 300	12 / 24 V



S-290 DIRECTIONAL CONTROL VALVE

Code Number	Port Size	Nominal Flow L/min.	Max. Operating Pressure bar
HS 291 Single	3/4 "	100	P: 250, T: 50, A-B: 300
HS 292 Two fold	3/4 "	100	P: 250, T: 50, A-B: 300
HS 293 Three fold	3/4 "	100	P: 250, T: 50, A-B: 300
HS 294 Four fold	3/4 "	100	P: 250, T: 50, A-B: 300
HS 295 Five fold	3/4 "	100	P: 250, T: 50, A-B: 300
HS 296 Six fold	3/4 "	100	P: 250, T: 50, A-B: 300



KS180 HEAVY DUTY DIRECTIONAL CONTROL VALVE

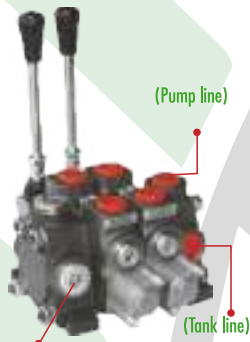
Code Number	Port Size	Nominal Flow L/min.	Max. Operating Pressure bar
HKS180	3/4"	160	315
H2KS180	3/4"	160	315
H3KS180	3/4"	160	315
H4KS180	3/4"	160	315
H5KS180	3/4"	160	315
H6KS180	3/4"	160	315

SPECIAL DIRECTIONAL CONTROL VALVES VANNES DE COMMANDE DIRECTIONNELLES SPÉCIALES



PC70

Code Number	Port Size	Nominal Flow L/min.	Rated Pressure Bar	Back Pressure Max. Bar
H1PC70 Single	1/2"	80	320	25
H2PC70 Two Fold	1/2"	80	320	25
H3PC70 Three Fold	1/2"	80	320	25
H4PC70 Four Fold	1/2"	80	320	25
H5PC70 Five Fold	1/2"	80	320	25
H6PC70 Six Fold	1/2"	80	320	25
H7PC70 Seven Fold	1/2"	80	320	25
H8PC70 Eight Fold	1/2"	80	320	25



PC100

Code Number	Port Size	Nominal Flow L/min.	Rated Pressure Bar	Back Pressure Max. Bar
H1PC100 Single	3/4"	120	320	25
H2PC100 Two Fold	3/4"	120	320	25
H3PC100 Three Fold	3/4"	120	320	25
H4PC100 Four Fold	3/4"	120	320	25
H5PC100 Five Fold	3/4"	120	320	25
H6PC100 Six Fold	3/4"	120	320	25
H7PC100 Seven Fold	3/4"	120	320	25
H8PC100 Eight Fold	3/4"	120	320	25



Code Number	Description
H VALF-X	Anticavitation Valve
H VALF-Y	Secondary Pressure Relief Valve
H VALF-Z	Shock Absorber Valve
HPC70.Inlet.N1	PC70 Inlet Section
HPC70.Outlet.T1	PC70 Outlet Section
HPC70 A1 Block	PC70 A1
HPC100.Inlet.N1	PC100 Inlet Section
HPC100 Outlet T1	PC100 Outlet Section
HPC100 A1 Block	PC100 A1



P38

Code Number	Port Size	Nominal Flow L/min.	Rated Pressure Bar	Back Pressure Max. Bar
H1P38 Single	3/8"	35	320	25

Z50 DIRECTIONAL CONTROL VALVE



Code Number	Port Size	Nominal Flow L/min.	Max. Operating Pressure bar
HZ50 Single	3/8" 1/2"	50	P: 250, T: 50, A-B: 300
H2Z50 Two Fold	3/8" 1/2"	50	P: 250, T: 50, A-B: 300
H3Z50 Three Fold	3/8" 1/2"	50	P: 250, T: 50, A-B: 300
H4Z50 Four Fold	3/8" 1/2"	50	P: 250, T: 50, A-B: 300
H5Z50 Five Fold	3/8" 1/2"	50	P: 250, T: 50, A-B: 300
H 6Z50 Six Fold	3/8" 1/2"	50	P: 250, T: 50, A-B: 300
H7Z50 Seven Fold	3/8" 1/2"	50	P: 250, T: 50, A-B: 300

Z80 DIRECTIONAL CONTROL VALVE



Code Number	Port Size	Nominal Flow L/min.	Max. Operating Pressure bar
HZ80 Single	1/2"	80	P: 250, T: 50, A-B: 300
H2Z80 Two Fold	1/2"	80	P: 250, T: 50, A-B: 300
H3Z80 Three Fold	1/2"	80	P: 250, T: 50, A-B: 300
H4Z80 Four Fold	1/2"	80	P: 250, T: 50, A-B: 300
H5Z80 Five Fold	1/2"	80	P: 250, T: 50, A-B: 300
H6Z80 Six Fold	1/2"	80	P: 250, T: 50, A-B: 300

P81 LOG SPLITTER VALVE



Code Number	Port Size	Nominal Flow L/min.	Max. Operating Pressure bar
HP81	1/2 "	80	P: 250, T: 50, A-B: 300
HP81RS*	1/2 "	80	P: 250, T: 50, A-B: 300

P40 PROBE CONTROL VALVE
P80 PROBE CONTROL VALVE



Code Number	Port Size	Nominal Flow L/min.	Max. Operating Pressure bar
HP40 A7 ZS1/G	1/2 "	40	P: 250, T: 50, A-B: 300
HP80 A7 ZS1/G	1/2 "	80	P: 250, T: 50, A-B: 300



PK80 WITH AUTOMATIC KICKOUT FEATURE

PK80

Code Number	Port Size	Nominal Flow L/min.	Rated Pressure Bar	Back Pressure Max. Bar
H1PK80 Single	1/2"	80	320	25
H2PK80 Two Fold	1/2"	80	320	25
H3PK80 Three Fold	1/2"	80	320	25
H4PK80 Four Fold	1/2"	80	320	25
H5PK80 Five Fold	1/2"	80	320	25
H6PK80 Six Fold	1/2"	80	320	25



PF40 DIRECTIONAL CONTROL VALVE

Code Number	Port Size	Priority Flow L	Max. Operating Pressure bar
H1 PF 40	1/2 "	2-25	P: 250,T: 50, A-B: 300
H3PF 40	3/8 "	2-25	P: 250,T: 50, A-B: 300



NEW

PF122

SPECIAL MONOBLOCK VALVE FOR FRONT LOADERS

Code Number	Port Size*	Nominal Flow L/min	Max Pressure Bar
H2PF122	G 1/2	80	250

ZC100ES DIRECTIONAL CONTROL VALVE



Code Number	Port Size	Nominal Flow L/min.	Max. Operating Pressure bar	Voltage V
HZC100ES	1/2" – 3/4"	100	P: 250, T: 50, A-B: 300	12-24
H2ZC100ES	1/2" – 3/4"	100	P: 250, T: 50, A-B: 300	12-24
H3ZC100ES	1/2" – 3/4"	100	P: 250, T: 50, A-B: 300	12-24
H4ZC100ES	1/2" – 3/4"	100	P: 250, T: 50, A-B: 300	12-24
H5ZC100ES	1/2" – 3/4"	100	P: 250, T: 50, A-B: 300	12-24
H6ZC100ES	1/2" – 3/4"	100	P: 250, T: 50, A-B: 300	12-24
H7ZC100ES	1/2" – 3/4"	100	P: 250, T: 50, A-B: 300	12-24
H8ZC100ES	1/2" – 3/4"	100	P: 250, T: 50, A-B: 300	12-24
H9ZC100ES	1/2" – 3/4"	100	P: 250, T: 50, A-B: 300	12-24
H10ZC100ES	1/2" – 3/4"	100	P: 250, T: 50, A-B: 300	12-24

DVS6 SOLENOID DIRECTIONAL CONTROL VALVE



Code Number	Port Size	Nominal Flow L/min.	Max. Operating Pressure bar	Voltage V
HDVS6	3/8" 1/2"	50	315	12 - 24

SVV90 SOLENOID DIRECTIONAL CONTROL VALVE



Code Number	Port Size	Nominal Flow L/min.	Max. Operating Pressure bar	Voltage V
HSVV90	1/2"	90	280	12 - 24

VALVES FOR FOREST CRANE



Code Number	Port Size	Nominal Flow L/min.	Max. Operating Pressure bar
H8ZC70 manual	G 1/2"	70	250
H8ZC70 manual/electric	G 1/2"	70	250



**P40 ELECTROHYDRAULIC
DIRECTIONAL CONTROL VALVE**

Code Number	Nominal Flow L/min.	Max. Operating Pressure bar	Voltage V
H1P40 Ehor Single fold	40	P: 250, T:50, A-B: 300	12/24
H2P40 Ehor Two fold	40	P: 250, T:50, A-B: 300	12/24
H3P40 Ehor Three fold	40	P: 250, T:50, A-B: 300	12/24
H4P40 Ehor Four fold	40	P: 250, T:50, A-B: 300	12/24
H5P40 Ehor Five fold	40	P: 250, T:50, A-B: 300	12/24
H6P40 Ehor Six fold	40	P: 250, T:50, A-B: 300	12/24
H7P40 Ehor Seven fold	40	P: 250, T:50, A-B: 300	12/24



**P80 ELECTROHYDRAULIC
DIRECTIONAL CONTROL VALVE**

Code Number	Nominal Flow L/min.	Max. Operating Pressure bar	Voltage V
H1P80 Ehor Single fold	80	P: 250, T:50, A-B: 300	12/24
H2P80 Ehor Two fold	80	P: 250, T:50, A-B: 300	12/24
H3P80 Ehor Three fold	80	P: 250, T:50, A-B: 300	12/24
H4P80 Ehor Four fold	80	P: 250, T:50, A-B: 300	12/24
H5P80 Ehor Five fold	80	P: 250, T:50, A-B: 300	12/24
H6P80 Ehor Six fold	80	P: 250, T:50, A-B: 300	12/24

SPARE PARTS

Spare Part
HP40-P80 Detent
HP120 Detent
HP40-P80 carry over
HPC70-PC100-P120 carry over
HP40-P80 Cover
HP120 Cover
HP40-P80 Handle
HP120 Handle
HB/C Spool Single Action (P40)
HD Spool J Center (P40)

Spare Part
M Spool Close center (P40)
B/C Spool Single Action (P80)
D Spool J Center (P80)
M Spool Close center (P80)
B/C Spool Single Action (P120)
D Spool J Center (P120)
M Spool Close center (P120)
Relief Valve
P40-P80 Spring Cover
P120 Spring Cover

Spare Part
Pneumatic control (P80)
Pneumatic control (P120)
Switch
Rubber
P120 Relief Valve
Z50 Coil
Z80 Coil
Electrohydraulic Coil





H IJ-951006



SINGLE LEVER

Code Number	Description
HIS 3047	Standard single lever

JOYSTICK CONTROL FOR SPOOL VALVES

Code Number	Description
HID 3335	Joystick control
HID 3532	Joystick control

JOYSTICK CONTROL WITH BUTTONS FOR SPOOL VALVES

Code Number	Description
HID 3389	Joystick control one button
HID 3369	Joystick control two buttons
HID 6009	Joystick control three buttons
HIJ-951006	Ergonomic handle with buttons

JOYSTICK CONTROL FOR SPOOL VALVES

Code Number	Description
HP40 JO YSTICK	Joystick
HP80 JO YSTICK	Joystick
HPC70 JO YSTICK	Joystick

CABLES FOR JOYSTICKS

Code Number	Description
HIT-731133/00.50	0.5 m. cable
HIT-731133/01.00	1 m. cable
HIT-731133/01.25	1.25 m. cable
HIT-731133/01.50	1.5 m. cable
HIT-731133/02.00	2 m. cable
HIT-731133/02.50	2.5 m. cable
HIT-731133/03.00	3 m. cable
HIT-731133/03.50	3.5 m. cable
HIT-731133/04.00	4 m. cable
HIT-731133/05.00	5 m. cable
HIT-731133/06.00	6 m. cable



MM SERIES

Code Number	Shaft Diameter mm	Displacement cm ³	Max.Flow Lt.	Max.Speed d/dk	Torque daNm		Pressure Bar	
					Norm.	Max.	Norm.	Max.
					HMM 8 C	16	8.2	16
HMM 12.8 C	16	12.9	20	1550	1.6	2.3	100	140
HMM 20 C	16	20	20	1000	2.5	3.5	100	140
HMM 32 C	16	31.8	20	630	4.0	5.7	100	140
HMM 40 C	16	40	20	500	4.1	5.7	80	110
HMM 50 C	16	50	20	400	4.5	5.8	70	90



MP SERIES

Code Number	Shaft Diameter mm	Displacement cm ³	Max.Flow Lt.	Max.Speed d/dk	Torque daNm		Pressure Bar	
					Norm.	Max.	Norm.	Max.
					HMP 025 CD	25	25	40
HMP 032 CD	25	32	50	1560	4.3	6.1	100	140
HMP 040 CD	25	40	60	1500	6.2	8.2	120	155
HMP 050 C	25	49.5	60	1210	9.4	11.9	140	175
HMP 080 C	25	79.2	60	755	15.1	19.5	140	175
HMP 100 C	25	99	60	605	19.3	23.7	140	175
HMP 125 C	25	123.8	60	486	23.7	29.8	140	175
HMP 160 C	25	158.4	60	378	31.3	37.8	140	175
HMP 200 C	25	198	60	303	36.6	45.6	140	175
HMP 250 C	25	247.5	60	242	38	58.3	110	175
HMP 315 C	25	36.8	60	190	38	56	90	140
HMP 400 C	25	396	60	150	36	59	70	115
HMP 500 C	25	495	60	120	39	57	60	90
HMP 630 C	25	623.6	60	95	44	64	55	80



MR SERIES

Code Number	Shaft Diameter mm	Displacement cm ³	Max.Flow Lt.	Max.Speed d/dk	Torque daNm		Pressure Bar	
					Norm.	Max.	Norm.	Max.
HMR 050 C	25	51.5	40	775	10.1	13	140	175
HMR 080 C	25	80.3	60	750	19.5	22	175	200
HMR 100 C	25	99.8	60	600	24	28	175	200
HMR 125 C	25	125.7	60	475	30	34	175	200
HMR 160 C	25	159.6	60	375	39	43	175	200
HMR 200 C	25	199.8	60	300	38.5	46	140	175
HMR 250 C	25	250.1	60	240	39	58	110	175
HMR 315 C	25	315.7	60	190	39	57	90	140
HMR 400 C	25	397	60	150	38	60	70	115



MH SERIES

Code Number	Shaft Diameter mm	Displacement cm ³	Max.Flow Lt.	Max.Speed d/dk	Torque daNm		Pressure Bar	
					Norm.	Max.	Norm.	Max.
HMH 200 C	32	201.3	75	370	51	58	175	200
HMH 250 C	32	252	75	295	61	70	175	200
HMH 315 C	32	314.9	75	235	74	82	175	200
HMH 400 C	32	396.8	75	185	84	98	155	190
HMH 500 C	32	502.4	75	150	85	104	125	160
H MLHH 500 K	31.75	502.4	75	150	85	104	125	160



MS SERIES								
Code Number	Shaft Diameter mm	Displacement cm ³	Max. Flow Lt.	Max. Speed d/dk	Torque daNm		Pressure Bar	
					Norm.	Max.	Norm.	Max.
HMS 080	32	80.5	65	810	523	25.8	200	225
HMS 100	32	100	75	750	28.5	32	200	225
HMS 125	32	125.7	75	600	32	38	175	210
HMS 160	32	159.7	75	470	34	48	175	210
HMS 200	32	200	75	375	40	50	140	175
HMS 250	32	250	75	300	45	54	125	155
HMS 315	32	314.9	75	240	54	63	120	140
HMS 400	32	397	75	185	58	69	100	120
HMS 475	32	474.6	75	160	58	68	85	100
HMS 565	32	564.9	75	145	58	69	80	90
HMS 715	32	711.9	75	130	58	69	70	85



MT SERIES

Code Number	Shaft Diameter mm	Displacement cm ³	Max. Flow Lt.	Max. Speed d/dk	Torque daNm		Pressure Bar	
					Norm.	Max.	Norm.	Max.
HMT 160	40	161.1	100	625	47	56	200	240
HMT 200	40	201.4	125	625	59	71	200	240
HMT 250	40	251.8	125	500	73	88	200	240
HMT 315	40	326.3	125	380	95	114	200	240
HMT 400	40	410.9	125	305	108	126	180	210
HMT 500	40	523.6	125	240	122	137	160	180
HMT 630	40	612.3	125	206	123	138	140	160
HMT 725	40	725	125	172	125	140	115	130

MV SERIES

Code Number	Shaft Diameter mm	Displacement cm ³	Max. Flow Lt.	Max. Speed d/dk	Torque daNm		Pressure Bar	
					Norm.	Max.	Norm.	Max.
HMV 315	50	314.5	240	510	92	111	200	240
HMV 400	50	400.9	240	500	118	141	200	240
HMV 500	50	499.6	240	400	146	176	200	240
HMV 630	50	629.1	210	315	166	194	180	210
HMV 800	50	801.8	180	250	188	211	160	180

RL SERIE HYDRAULIC MOTORS

Code Number	Shaft Diameter mm	Displacement cm ³ /rev	Max. Flow L/min	Max. Speed dev/dak	Torque daNm		Pressure bar	
					Norm.	Max.	Norm.	Max.
HRL 50	25	51.5	40	775	10.1	13	175	200
HRL 80	25	80.3	50	750	20	22	175	200
HRL 100	25	99.8	60	600	24	28	175	200
HRL 125	25	125.7	60	475	30	34	175	200
HRL 160	25	159.6	60	375	39	43	175	200
HRL 200	25	199.8	60	300	45	50	175	200
HRL 250	25	250.1	60	240	54	61	175	200
HRL 315	25	315.7	60	190	55	63	175	200
HRL 400	25	397	60	150	61	69	175	200



MSS SERIES

Code Number	Displacement cm ³	Max. Flow Lt.	Max. Speed d/dk	Torque daNm		Pressure Bar	
				Norm.	Max.	Norm.	Max.
HMSS 80	80.5	65	810	24	31	230	295
HMSS 100	100	75	750	30.5	39	230	295
HMSS 125	125.7	75	600	37.5	49	230	295
HMSS 160	159.7	75	470	34	48	175	210
HMSS 200	200	75	375	40	50	140	175
HMSS 250	250	75	300	45	54	125	155
HMSS 315	314.9	75	240	54	63	120	140
HMSS 400	397	75	185	58	69	100	120



MTS SERIES

Code Number	Displacement cm ³	Max. Flow Lt.	Max. Speed d/dk	Torque daNm		Pressure Bar	
				Norm.	Max.	Norm.	Max.
HMTS 160	161.1	100	625	47	56	200	240
HMTS 200	201.4	125	625	59	71	200	240
HMTS 250	251.8	125	500	73	88	200	240
HMTS 315	326.3	125	380	95	114	200	240
HMTS 400	410.9	125	305	108	126	180	210



MR SERIES WITH TACHO CONNECTION



Code Number	Shaft Diameter mm	Displacement cm ³	Max. Flow Lt.	Max. Speed d/dk	Torque daNm		Pressure Bar	
					Norm.	Max.	Norm.	Max.
HMRDT 050	25	51.5	40	775	10.1	13	140	175
HMRDT 080	25	80.3	60	750	19.5	22	175	200
HMRDT 100	25	99.8	60	600	24	28	175	200
HMRDT 125	25	125.7	60	475	30	34	175	200
HMRDT 160	25	159.6	60	375	39	43	175	200
HMRDT 200	25	199.8	60	300	38.5	46	140	175
HMRDT 250	25	250.1	60	240	39	58	110	175
HMRDT 315	25	315.7	60	190	39	57	90	140
HMRDT 400	25	397	60	150	38	60	70	115

MR/B SERIE HYDRAULIC MOTORS WITH DUAL SHAFT



Code Number	Shaft Diameter mm	Displacement cm ³ /rev	Max. Flow L/min	Max. Speed dev/dak	Torque daNm		Pressure bar	
					Norm.	Max.	Norm.	Max.
HMR/B 125	25	125.7	60	475	30	34	175	200
HMR/B 160	25	159.6	60	375	39	43	175	200
HMR/B 200	25	199.8	60	300	45	50	175	200

HHWF SERIE HYDRAULIC MOTORS



Code Number	Shaft Diameter mm	Displacement cm ³ /rev	Max. Flow L/min	Max. Speed dev/dak	Torque daNm		Pressure bar	
					Norm.	Max.	Norm.	Max.
HHWF 125	32	126	45	357	35	38.5	210	250
HHWF 160	32	158	60	380	44	48	210	250
HHWF 200	32	201.3	75	373	55	60	210	250
HHWF 235	32	235	75	319	64.5	70	210	250
HHWF 250	32	252	75	298	69	75	210	250
HHWF 300	32	300	75	250	81	89	210	250
HHWF 315	32	314.9	75	238	85	93	210	250
HHWF 350	32	347.8	75	216	94	102	210	250
HHWF 370	32	369	75	203	96	105	210	250
HHWF 400	32	396.8	75	189	96	98	210	250
HHWF 470	32	470.6	75	159	92	101	210	250
HHWF 500	32	502.4	75	149	91	101	210	250
HHWF 535	32	536	75	140	90	104	210	250
HHWF 550	32	550	75	136	89	105	210	250



RW SERIES

Code Number	Shaft Diameter mm	Displacement cm ³	Max. Flow Lt.	Max. Speed d/dk	Torque daNm		Pressure Bar	
					Norm.	Max.	Norm.	Max.
HRW 050	1/10 Konik	51.5	40	775	10.1	13	140	175
HRW 080	1/10 Konik	80.3	60	750	19.5	22	175	200
HRW 100	1/10 Konik	99.8	60	600	24	28	175	200
HRW 125	1/10 Konik	125.7	60	475	30	34	175	200
HRW 160	1/10 Konik	159.6	60	375	39	43	175	200
HRW 200	1/10 Konik	199.8	60	300	38.5	46	140	175
HRW 250	1/10 Konik	250.1	60	240	39	58	110	175
HRW 315	1/10 Konik	315.7	60	190	39	57	90	140
HRW 400	1/10 Konik	397	60	150	38	60	70	115



HW SERIE HYDRAULIC MOTORS

Code Number	Shaft Diameter mm	Displacement cm ³ /rev	Max. Flow L/min	Max. Speed dev/dak	Torque daNm		Pressure bar	
					Norm.	Max.	Norm.	Max.
HHW 125	32	126	45	357	35	38.5	210	250
HHW 160	32	158	60	380	44	48	210	250
HHW 200	32	201.3	75	373	55	60	210	250
HHW 235	32	235	75	319	64.5	70	210	250
HHW 250	32	252	75	298	69	75	210	250
HHW 300	32	300	75	250	81	89	210	250
HHW 315	32	314.9	75	238	85	93	210	250
HHW 350	32	347.8	75	216	94	102	210	250
HHW 370	32	369	75	203	96	105	210	250
HHW 400	32	396.8	75	189	96	98	210	250
HHW 470	32	470.6	75	159	92	101	210	250
HHW 500	32	502.4	75	149	91	101	210	250
HHW 535	32	536	75	140	90	104	210	250
HHW 550	32	550	75	136	89	105	210	250

MSU SERIE HYDRAULIC MOTORS



Code Number	Displacement cm ³	Max.Flow Lt.	Max.Speed d/dk	Torque daNm		Pressure Bar	
				Norm.	Max.	Norm.	Max.
HMSU 80	80.5	65	810	20	24	200	225
HMSU 100	100	75	750	28.5	32	200	225
HMSU 125	125.7	75	600	32	38	175	210
HMSU 160	159.7	75	470	34	48	175	210
HMSU 200	200	75	375	40	50	140	175
HMSU 250	250	75	300	45	54	125	155
HMSU 315	314.9	75	240	54	63	120	140
HMSU 400	397	75	185	58	69	100	120

MSV SERIE HYDRAULIC MOTORS



Code Number	Displacement cm ³	Max.Flow Lt.	Max.Speed d/dk	Torque daNm		Pressure Bar	
				Norm.	Max.	Norm.	Max.
HMSV 80	80.5	65	810	20	24	200	225
HMSV 100	100	75	750	28.5	32	200	225
HMSV 125	125.7	75	600	32	38	175	210
HMSV 160	159.7	75	470	34	48	175	210
HMSV 200	200	75	375	40	50	140	175
HMSV 250	250	75	300	45	54	125	155
HMSV 315	314.9	75	240	54	63	120	140
HMSV 400	397	75	185	58	69	100	120

MVM SERIE MOTOR BRAKES



Code Number	Shaft Diameter mm	Displacement cm ³	Max.Flow Lt.	Max.Speed d/dk	Torque daNm		Pressure Bar	
					Norm.	Max.	Norm.	Max.
HMVM 315	50	314.5	200	636	115	160	270	370
HMVM 400	50	400.9	200	500	144	200	270	370
HMVM 500	50	499.6	200	400	180	260	270	370
HMVM 630	50	629.1	200	315	227	310	270	370
HMVM 800	50	801.8	200	250	259	340	270	370



TMF SERIE HYDRAULIC MOTORS

Code Number	Displacement cm ³	Max.Flow Lt.	Max.Speed d/dk	Torque daNm		Pressure Bar	
				Norm.	Max.	Norm.	Max.
HTMF 200	201.4	125	625	70	102	270	370
HTMF 250	251.8	125	500	90	128	270	370
HTMF 315	326.3	125	380	116	163	270	370
HTMF 400	410.9	125	305	147	206	270	370
HTMF 470	475	125	260	171	215	270	370
HTMF 500	523.6	125	240	172	215	270	370
HTMF 630	631.2	125	185	175	215	270	370
HTMF 725	725.3	125	170	60	192	270	370



VMF SERIE MOTOR BRAKES

Code Number	Displacement cm ³	Max.Flow Lt.	Max.Speed d/dk	Torque daNm		Pressure Bar	
				Norm.	Max.	Norm.	Max.
HVMF 315	314.5	200	636	115	160	270	370
HVMF 400	400.9	200	500	144	200	270	370
HVMF 500	499.6	200	400	180	260	270	370
HVMF 630	629.1	200	315	227	310	270	370
HVMF 800	801.8	200	250	259	340	270	370



B/MR SERIE MOTOR BRAKES

Code Number	Shaft Diameter mm	Displacement cm ³	Max.Flow Lt.	Max.Speed d/dk	Torque daNm		Pressure Bar	
					Norm.	Max.	Norm.	Max.
HB/MR 80	25	80.3	40	500	19,5	22	175	200
HB/MR100	25	99.8	50	500	30	28	175	200
HB/MR125	25	125.7	60	475	30	34	175	200
HB/MR160	25	159.6	60	375	30	39	175	200
HB/MR200	25	199.8	60	300	30	39	175	200
HB/MR250	25	250.1	60	240	30	39	175	200
HB/MR315	25	315.7	60	190	30	42	175	200
HB/MR400	25	397	60	150	30	43	175	200



HYDRAULIC DISC BRAKE

Code Number	Hydromotor Type	Static Torque	Input Shaft	Output Shaft
HELB/288	MP-MR	7,14,21,32,43,63	C,CO,SH,CB,SB	C,CO,SH,SA,CB,KB
HELB/289	MSS	21,32,43,63		CB,KB
HELB/314	MTS	21,29,43,65,85,110,130		C,CO,SH,K



B/TPC SERIE HYDRAULIC DISC BRAKES

Code Number	Displacement cm ³ /rev	Max. Operating Pressure bar	Max. Speed dev/dak
HB50TPC	50	240	60
HB55TPC	55	240	60
HB60TPC	60	240	60
HB65TPC	65	240	60
HB85TPC	85	240	60



MTM/B SERIE MOTOR BRAKES

Code Number	Shaft Diameter mm	Displacement cm ³ /rev	Max. Flow L/min	Max. Speed dev/dak	Torque daNm	
					Norm.	Max.
HMTM/B200	1-1/2"	201.4	125	625	72	102
HMTM/B250	1-1/2"	251.8	125	500	90	128
HMTM/B315	1-1/2"	326.3	125	380	116	163
HMTM/B400	1-1/2"	410.9	125	305	147	206
HMTM/B500	1-1/2"	523.6	125	250	172	215
HMTM/B630	1-1/2"	631.2	125	196	175	215
HMTM/B725	1-1/2"	724.3	125	170	160	192

RADIAL PISTON MOTORS

Code Number	Displacement Ll	Rated Pressure Bar	Max. Pressure Bar	Torque N.m/MPa	Speed D/dk
HJMDG3-250	254	225	275	38	8~630
HJMDG3-300	289	225	275	43	6~500
HJMDG3-350	340	175	225	50	6~400
HJMDG6-400	397	250	320	59	5~630
HJMDG6-450	452	250	320	67	5~630
HJMDG6-500	491	225	275	73	5~500
HJMDG6-600	594	225	275	88	4~500
HJMDG11-700	707	250	320	104	4~400
HJMDG11-800	784	250	320	116	4~400
HJMDG11-1000	981	200	250	145	3~320



HYDRAULIC GEAR MOTORS

Type	Displacement cm ³ /rev	Rated Pressure bar	Rated Speed rev/min
H20MR6,3X546	6.3	200	650...3500
H20MR8,2X546	8.2	200	650...3500
H20MR10X546	10	200	650...3500
H20MR11X546	11	200	650...3500
H20MR12X546	12	200	650...3500
H20MR14X546	14	200	650...3500
H20MR15X546	15	200	650...3500
H20MR16X546	16	200	650...3500
H20MR19X546	19	180	650...3500
H20MR22X546	22	180	650...3500
H20MR25X546	25	160	650...3500



HYDRAULIC GEAR MOTORS

Type	Displacement cm ³ /rev	Rated Pressure bar	Rated Speed rev/min
H30MR22X568	22	200	500...2500
H30MR25X568	25	200	500...2500
H30MR28X568	28	200	500...2500
H30MR32X568	32	200	500...2500
H30MR36X568	36	200	500...2300
H30MR42X568	42	200	500...2300
H30MR46X568	46	200	500...2100
H30MR50X568	50	200	500...2100
H30MR55X568	55	200	500...1750



HHKU .../4

H(OSPB...ON)



HHKU .../5(T)

H(OSPB...LS)



HHKU .../7

H(OSPB...CN)



Code Number	Port Size inç	Displacement cm ³	Rated Flow Lt	Rated Pressure Bar
HHKU40/4	1/2"	39,6	4	125
HHKU50/4	1/2"	49,5	5	150
HHKU63/4	1/2"	65,6	6	175
HHKU80/4	1/2"	79,2	9	175
HHKU100/4	1/2"	99	9	175
HHKU125/4	1/2"	123,8	12	175
HHKU160/4	1/2"	158,4	12	175
HHKU200/4	1/2"	198	17	175
HHKU250/4	1/2"	247,5	24	175
HHKU320/4	1/2"	316,8	30	175
HHKU400/4	1/2"	396	40	175
HHKU500/4	1/2"	495	50	175
HHKU630/4	1/2"	618,7	63	175
HHKU800/4	1/2"	793	80	140
HHKU1000/4	1/2"	990	80	140

Code Number	Port Size inç	Displacement cm ³	Rated Flow Lt	Rated Pressure Bar
HHKU100/5(T)	1/2"	99	9	175
HHKU125/5(T)	1/2"	123,8	12	175
HHKU160/5(T)	1/2"	158,4	12	175
HHKU200/5(T)	1/2"	198	17	175
HHKU250/5(T)	1/2"	247,5	24	175
HHKU320/5(T)	1/2"	316,8	30	175
HHKU400/5(T)	1/2"	396	40	175
HHKU500/5(T)	1/2"	495	50	175
HHKU630/5(T)	1/2"	618,7	63	175
HHKU800/5(T)	1/2"	793	80	140

Code Number	Port Size inç	Displacement cm ³	Rated Flow Lt	Rated Pressure Bar
HHKU80/7	1/2"	79,2	9	175
HHKU100/7	1/2"	99	9	175
HHKU125/7	1/2"	123,8	12	175
HHKU160/7	1/2"	158,4	12	175
HHKU200/7	1/2"	198	17	175
HHKU250/7	1/2"	247,5	24	175

HHKUS .../4

H(OSPC...ON)



Code Number	Port Size inç	Displacement cm ³	Rated Flow Lt	Rated Pressure Bar
HHKUS40/4	1/2"	39,6	4	160
HHKUS50/4	1/2"	49,5	5	160
HHKUS63/4	1/2"	65,6	6	160
HHKUS80/4	1/2"	79,2	8	160
HHKUS100/4	1/2"	99	10	160
HHKUS125/4	1/2"	123,8	13	160
HHKUS160/4	1/2"	158,4	16	160
HHKUS200/4	1/2"	198	20	160
HHKUS250/4	1/2"	247,5	25	160
HHKUS320/4	1/2"	316,8	32	160
HHKUS400/4	1/2"	396	40	160

HHKUS .../5(T)

H(OSPC...LS)



Code Number	Port Size inç	Displacement cm ³	Rated Flow Lt	Rated Pressure Bar
HHKUS080/5T	1/2"	79,2	8	160
HHKUS100/5T	1/2"	99	10	160
HHKUS125/5T	1/2"	123,8	13	160
HHKUS160/5T	1/2"	158,4	16	160
HHKUS200/5T	1/2"	198	20	160
HHKUS250/5T	1/2"	247,5	25	160
HHKUS320/5T	1/2"	316,8	32	160
HHKUS400/5T	1/2"	396	40	160

HXY SERIES

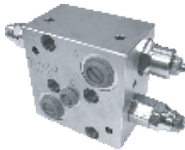


Code Number	Port Size inç	Displacement cm ³	Rated Flow Lt	Rated Pressure Bar
HXY 85 0/1	1/2"	84	9	150
HXY 120 0/1	1/2"	120	12	150

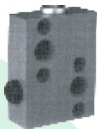
HB VR1207



HBVR1219



HBVR1230



H PRDD... 40,80/...



HPRTAD... 40,80/...



OVERCENTER VALVE

Code Number	Hydromotor Type	Description
HKPBR-250/1/D	MP-MR	Overcenter Valve Double
HKPBS-250/1/D	MS	Overcenter Valve Double
HKPBT-250/1/D	MT	Overcenter Valve Double
HBVR1219	MP-MR	Overcenter - Relief
HBVR 1207	MP-MR	Overcenter
HBVR 1230	MP-MR	Directional control

SHUTTLE VALVE

Code Number	Hydromotor Type	Description
HKPWR-250	MP-MR	Shuttle Valves
HKPWS-250	MS	Shuttle Valves

CROSSEOVER RELIEF VALVE

Code Number	Hydromotor Type	Description
HKPDR-250/40,80	MP-MR	Double
HKPDS-250/40,80	MS	Double
HKPDT-210	MT	Double
HKPDV-250	MV	Double

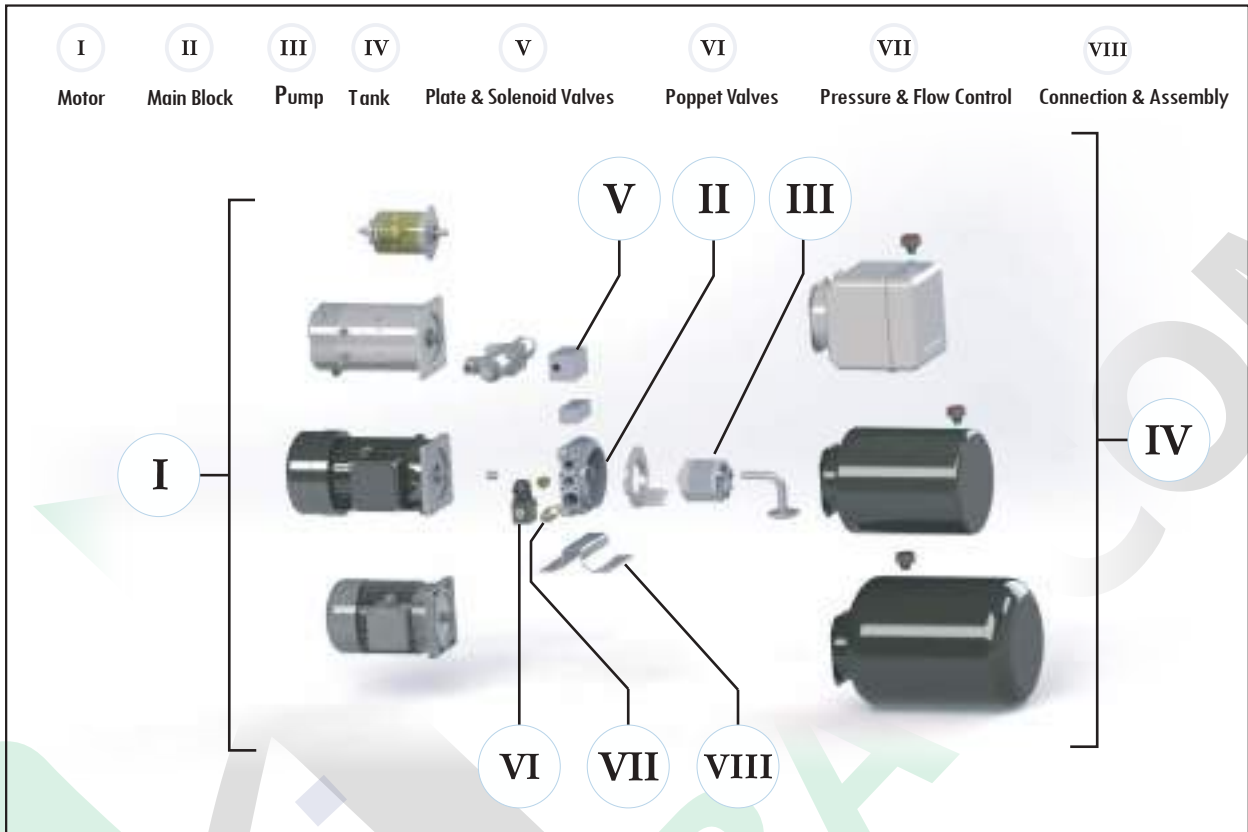
PRIORITY VALVE

Code Number	Description
HPRTD 160/...	Dinamic Signal

PRIORITY VALVE

Code Number	Description
H PRDD... 40,80/...	Dinamic Signal
HPRTAD... 40,80/...	Dinamic Signal

Special mini power packs are designed according to customer need.



ELECTRIC MANUAL STACKER



WHEELCHAIR LIFT



TIPPER



DOCK LEVELER



LIFT GATE



I ELECTRIC MOTORS

CODE NUMBER	DESCRIPTION	POWER KW
THREE PHASE		
HAC3H-0.37/1500	0.37 kW 380 V 1500 rpm electric motor	0.37
HAC3H-0.55/1500	0.55 kW 380 V 1500 rpm electric motor	0.55
HAC3H-0.75/1500	0.75 kW 380 V 1500 rpm electric motor	0.75
HAC3H-1.1/1500	1.1 kW 380 V 1500 rpm electric motor	1.1
HAC3H-1.5/1500	1.5 kW 380 V 1500 rpm electric motor	1.5
HAC3H-2.2/1500	2.2 kW 380 V 1500 rpm electric motor	2.2
HAC3H-3/1500	3 kW 380 V 1500 rpm electric motor	3
HAC3M-4/1500	4 kW 380 V 1500 rpm electric motor	4
MONO PHASE		
HAC1M-0.37/1500	0.37 kW 220 V 1500 rpm electric motor	0.37
HAC1H-0.55/1500	0.55 kW 220 V 1500 rpm electric motor	0.55
HAC1H-0.75/1500	0.75 kW 220 V 1500 rpm electric motor	0.75
HAC1H-1.1/1500	1.1 kW 220 V 1500 rpm electric motor	1.1
HAC1H-1.5/1500	1.5 kW 220 V 1500 rpm electric motor	1.5
HAC1H-2.2/1500	2.2 kW 220 V 1500 rpm electric motor	2.2
HAC1H-3/1500	3 kW 220 V 1500 rpm electric motor	3

CODE NUMBER	DESCRIPTION	POWER KW
DC MOTORS		
HDC12A-0.2	0.2 kW 12 V electric motor	0.2
HDC24A-0.2	0.2 kW 24 V electric motor	0.2
HDC12MY-0.5	0.5 kW 12 V electric motor	0.5
HDC24MY-0.5	0.5 kW 24 V electric motor	0.5
HDC12MY-0.8	0.8 kW 12 V electric motor	0.8
HDC24MY-0.8	0.8 kW 24 V electric motor	0.8





CODE NUMBER	DESCRIPTION	POWER KW
DC MOTORS		
HDC12MY-1.6	1.6 kW 12 V electric motor	1.6
HDC12MY-2	2 kW 12 V electric motor	2
HDC12MY-2.5	2.5 kW 12 V electric motor	2.5
HDC12E-3/3500-F	3 kW 12 V 3500 rpm electric motor with fan	3
HDC12E-4.5/2000-F	4.5 kW 12 V 2000 rpm electric motor with fan	4.5
HDC24MY-2.2	2.2 kW 24 V electric motor	2.2
HDC24V-2.2/F	2.2 kW 24 V electric motor with fan	2.2
HDC24MY-2.5	2.5 kW 24 V electric motor	2.5
HDC24MY-3/3500	3 kW 24 V 3500 rpm electric motor	3
HDC24E-3/3500-F	3 kW 24 V 3500 rpm electric motor with fan	3
HDC24E-4.5/2000-F	4.5 kW 24 V 2000 rpm electric motor with fan	4.5
HDC24E-5.5/1800-F	5.5 kW 24 V 1800 rpm electric motor with fan	5.5

CODE NUMBER	DESCRIPTION	POWER KW
DC MOTORS		
HSTT12V150	12 V 150 A STARTER	12/150
HSTT12V250	12 V 250 A STARTER	12/250
HSTT24V150	24 V 150 A STARTER	24/150
HSTT24V250	24 V 250 A STARTER	24/250

II MAIN BLOCK

CODE NUMBER	DESCRIPTION
MAIN BLOCK WITHOUT POPPET	
HMBWOP-00	Main block without poppet for group 00 pumps
HMBWOP-10	Main block without poppet for group 10 pumps

CODE NUMBER	DESCRIPTION
MAIN BLOCK WITH POPPET	
HMBWOP-00	Main block without poppet for group 00 pumps
HMBWOP-10	Main block without poppet for group 10 pumps

III HYDRAULIC PUMP


CODE NUMBER	DESCRIPTION
H00C...X047	Group 00 gear pump
H10C...X302	Group 10 gear pump

IV TANK


CODE NUMBER	DESCRIPTION
HTV01Y	1 liter cylinder horizontal tank
HTV02Y	2 liter cylinder horizontal tank
HTV04Y	4 liter cylinder horizontal tank
HTV06Y	6 liter cylinder horizontal tank
HTV08Y	8 liter cylinder horizontal tank
HTV10Y	10 liter cylinder horizontal tank
HTV12Y	12 liter cylinder horizontal tank
HTP15YD	15 liter cylinder horizontal/vertical tank
HTP18YD	18 liter cylinder horizontal/vertical tank
HTP30YD	30 liter cylinder horizontal/vertical tank
HTV04D	4 liter cylinder vertical tank
HTV06D	6 liter cylinder vertical tank
HTV08D	8 liter cylinder vertical tank
HTV10D	10 liter cylinder vertical tank
HTV12D	12 liter cylinder vertical tank



CODE NUMBER	DESCRIPTION
HTV15S	15 liter square tank
HTV25S	25 liter square tank
HTF25S	25 liter weldless steel tank
HTF40S	40 liter weldless steel tank
HTF70S	70 liter weldless steel tank
HTPL04	4 liter plastic tank

HHP A03



HHP A10



HHP A07



HBLPV BLOCK WITH POPPET



V PLATE

CODE NUMBER

HHP A01

HHP A03

HF A05

HHP A10

HHP A06

HHP A07

HK A11

HBLPV BLOCK WITH POPPET

HP A01



HF A05



HP A06



HK A11



CODE NUMBER

HK BLDOR SD

CODE NUMBER

HK BLDOR-SS

CODE NUMBER

HHPB -009 (BLDOOR - SN)



CODE NUMBER

HA230 BI-ROTATIONAL SYSTEM



CODE NUMBER

HHP DLWOP-2.7



CODE NUMBER

HHP DLWDP-2.7



CODE NUMBER

HHP DLWP-2.7



CODE NUMBER

HHP DL1S1D

Closed center poppet valve



Open center poppet valve



VI POPPET VALVES

CODE NUMBER

HMP (MANUAL POPPET)

HP-NC-MO (CLOSED CENTER POPPET)

HP-NO (OPEN CENTER POPPET)

HP-DL (DOUBLE LOCK POPPET)

H COIL 12-24-220 V

HSOCKET 12-24-220 V

Double lock poppet valve



Manual poppet



VII FLOW CONTROL VALVES

HSFCV



HPSFCV



CODE NUMBER

HSFCV (VTH200)
Standard

HPSFCV (PÇTV)
Pressure compensated

PRESSURE RELIEF AND CHECK VALVE

CODE NUMBER

HPRV
Pressure relief valve

HCV
Check valve

Pressure Relief Valve



Check Valve



VIII CONNECTION AND ASSEMBLY KIT

CODE NUMBER	DESCRIPTION
Connection plate -MB	Connection plate for central manifold
HAB (1/2, 3/8, 3/4)	Air breather cap
HHPSP 30,50,60,75 mm.	Filter pipe
HHPSP 100,125,150,175 mm.	Filter pipe
HHPSP 215,260 mm.	Filter pipe
HSF-60	Suction filter
HAC/DC coupling	Coupling
HReturn plastic	Return plastic
HOil level gauge -1	Oil level gauge for square tanks
HWeld neck	Weld neck for oil tank
HRC-2-2,5	Remote Control with 2 buttons
HRC-4-2,5	Remote Control with 4 buttons



PUMP-MOTOR



4.5 - 5.5 - 7.5 kW (24 V)
H Pump : GR 20, X066-X110G

Code Number	Motor Power kW	Voltage V	Motor Speed rev/min
HHPPM-1.6-12	1.6	12	2300
HHPPM-2.5-24	2.5	24	2300
HHPPM-4.5-24	4.5	24	2000
HHPPM-5.5-24	5.5	24	2000
HHPPM-4.5-12	4.5	12	2000
HHPPM-5.5-12	5.5	12	2000
HHPPM-7.5-24	7.5	24	2600



1.6- 2.5 kW (12-24 V)
HPump: GR 10, X001

SPECIAL VALVES



H4/2RHA-06/20

Code Number	Description
HLVS 1/2"-3/8" 12-24V	Platform Block
HRHB06-38/12P	Hydraulic valve
H4/2RHA-06/20	Hydraulic valve

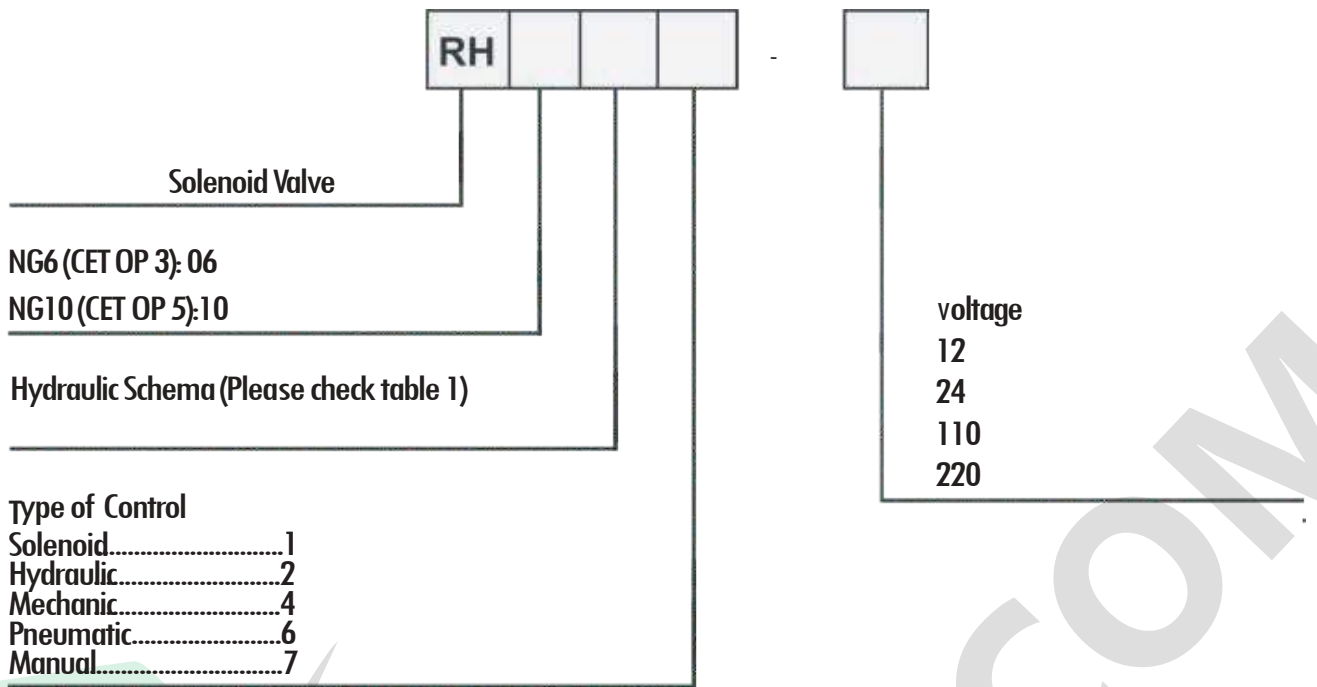


HRHB06-38/12P

HLVS PLATFORM BLOCK
























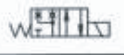













ORDER CODES



Order example: RH06101-24

HYDRAULIC SCHEMES (Table 1)

CODE	SYMBOL	CODE	SYMBOL	CODE	SYMBOL
00		16		39	
01		17		40	
02		18		41	
04		20*		42	
05		21		45	
06		24		61	
08		26		62	
10		27		64	
11		28		68	
12		32		70	
13		33		83	
14		36		20* - with detent	

NG 06 SOLENOID VALVES

Code Number	Description	Max. Flow L/min	Max. Pressure Bar
HRH06 101 12V.24V.220V	SINGLE COIL	80	350
HRH06 011 12V.24V.220V	CLOSED CENTER	80	350
HRH06 021 12V.24V.220V	OPEN CENTER	80	350
HRH06 041 12V.24V.220V	J CENTER	80	350
HRH06 001 12V.24V.220V	H CENTER	80	350



NG 10 SOLENOID VALVES

Code Number	Description	Max. Flow L/min	Max. Pressure Bar
HRH10 101 12V.24V.220V	SINGLE COIL	120	315
HRH10 011 12V.24V.220V	CLOSED CENTER	120	315
HRH10 021 12V.24V.220V	OPEN CENTER	120	315
HRH10 041 12V.24V.220V	J CENTER	120	315
HRH10 001 12V.24V.220V	H CENTER	120	315



MANUAL CONTROL VALVE

Code Number	Description	Max. Flow L/min	Max. Pressure Bar
HRH06027	Manual control valve	60	315

NG6

SOLENOID VALVES BLOCKS

Type	Connection Type	Max. Flow L/min	Max. Pressure Bar
HNG6-1 BLOCK	Single	40	220
HNG6-2 BLOCK	Two fold	40	220
HNG6-3 BLOCK	Three fold	40	220
HNG6-4 BLOCK	Four fold	40	220
HNG6-5 BLOCK	Five fold	40	220
HNG6-6 BLOCK	Six fold	40	220



NG6

SOLENOID VALVES BLOCKS

With Relief Valves

Type	Connection Type	Max. Flow L/min	Max. Pressure Bar
HNG6-1 BLOCK/RV22	Single	40	220
HNG6-2 BLOCK/RV22	Two fold	40	220
HNG6-3 BLOCK/RV22	Three fold	40	220
HNG6-4 BLOCK/RV22	Four fold	40	220
HNG6-5 BLOCK/RV22	Five fold	40	220
HNG6-6 BLOCK/RV22	Six fold	40	220
HNG6-P1-RV-R1	Single	40	220
HNG6-P1-RV-R2	Single	40	220



HNG6-P1-RV-R1



HNG6-P1-RV-R2



MODULER PILOT OPERATED CHECK VALVES

Code Number	Type	Max. Flow L/min	Max. Pressure Bar
HMPC-02A-50-50- A	NG6	40	250
HMPC-02B-50-50-B	NG6	40	250
HMPC-02W -50-50-D	NG6	40	250
HMPC-03A-50-50- A	NG10	70	250
HMPC-03B-50-50-B	NG10	70	250
HMPC-03W -50-50	NG10	70	250

MODULAR FLOW CONTROL VALVES

Code Number	Type	Max. Flow L/min	Max. Pressure Bar
HMTC-02-A-50-A LINE	NG6	40	250
HMTC-02-B-50-B LINE	NG6	40	250
HMTC-02-W-50-D	NG6	40	250
HMTC-03-A-50-A LINE	NG10	70	250
HMTC-03-B-50-B LINE	NG10	70	250
HMTC-03-W-50-D	NG10	70	250

MODULAR PRESSURE REDUCING VALVES

Code Number	Type	Max. Flow L/min	Max. Pressure Bar
HMPR-02A-3A-50-A LINE	NG6	40	250
HMPR-02B-3A-50-B LINE	NG6	40	250
HMPR-02P-3-50P L	NG6	40	250
HMPR-03A-3A-50-A LINE	NG10	70	250
HMPR-03B-3A-50-B LINE	NG10	70	250
HMPR-03-P-3-50	NG10	70	250

MODULAR RELIEF VALVES

Code Number	Type	Max. Flow L/min	Max. Pressure Bar
HMR-02A-3-50-A L	NG6	40	250
HMR-02B-3-50-B L	NG6	40	250
HMR-02P-3-50-P L	NG6	40	250
HMR-02W-3-50-AB LINE	NG6	40	250
HMR-03A-3-50-A L	NG10	70	250
HMR-03B-3-50-B L	NG10	70	250
HMR-03P-3-50	NG10	70	250
HMR-03W-3-50-AB LINE	NG10	70	250



HPRB 25/DD

HPRB 25/SD

HVLSS



HPRB 18/SS



HPRBC 20



HAND PUMP

Code Number	Working Volume cc	Rated Pressure Bar
HPRB 25/DD	25	250
HPRB 25/SD	25	250
HPRB 18/SS	18	200
HPRB 45/SD	45	160
HPRB 45/DD	45	160
HPRBC 20	20	250
HKP VLSS 02-M	8	250
HHAND PUMP TANK 1 Lt,3 Lt		
HHAND PUMP TANK 5 Lt, 7 Lt,10 Lt		

CHECK VALVES

Code Number	Type	Max.Flow L/min	Max. Pressure Bar	Opening Pressure Bar	
HV0592	VU 1/8"	3	350	0,4	0,7
HV0590	VU 1/4"	20	350	0,4	0,7
HV0600	VU 3/8"	45	350	0,4	0,7
HV0610	VU 1/2"	70	350	0,4	0,7
HV0620	VU 3/4"	110	350	0,4	0,7
HV0630	VU 1"	160	350	0,4	0,7
HV0631	VU 1" 1/4	250	300	0,7	1
HV0632	VU 1" 1/2	350	300	0,7	1

INTEGRATED CHECK VALVES

Code Number	Type	Max.Flow L/min	Max. Pressure Bar	Opening Pressure Bar
HV0591	VUI 1/4"	20	350	2.2
HV0601	VUI 3/8"	30	350	1.8
HV0611	VUI 1/2"	50	350	0,7
HV0621	VUI 3/4"	80	350	0.9

3 WAYS SINGLE PILOT OPERATED CHECK VALVES

Code Number	Type	Max.Flow L/min	Max. Pressure Bar	Opening Pressure Bar
HV0201	VBPSL 1/4"	20	350	2.5
HV0202	VBPSL 3/8"	30	300	5
HV0203	VBPSL 1/2"	45	300	3
HV0204	VBPSL 3/4"	80	250	0.5
HV0205	VBPSL 1"	120	220	1



MALE-MALE CHECK VALVES

Code Number	Type	Max. Flow L/min	Max. Pressure Bar
HV0594 / ^{PS}	VU MM 1/4"	8	350
HV0604 / ^{PS}	VU MM 3/8"	20	350
HV0614 / ^{PS}	VU MM 1/2"	50	350
HV0624 / ^{PS}	VU MM 3/4"	90	350
HV0634 / ^{PS}	VU MM 1"	150	320
HV0637 / ^{PS}	VU MM 1 1/4"	240	320
HV0638 / ^{PS}	VU MM 1 1/2"	300	320
HV0639 / ^{PS}	VU MM 2"	650	320



**ADJUSTABLE HOSE BURST VALVES
DIN 2353**

Code Number	Type	Max. Flow L/min	Max. Pressure Bar
HV0784	VUBA 3/8" DIN T10L	50	350
HV0794	VUBA 1/2" DIN T15L	80	350



2 WAYS BALL VALVES

Code Number	Type	Max. Flow L/min	Max. Pressure Bar
HV0830	RS 2 VIE 1/4"	25	500
HV0840	RS 2 VIE 3/8"	35	500
HV0850	RS 2 VIE 1/2"	60	500
HV0860	RS 2 VIE 3/4"	100	400
HV0870	RS 2 VIE 1"	180	350



3 WAYS BALL VALVES

Code Number	Type	Max. Flow L/min	Max. Pressure Bar
HV0832	RS 3 VIE 1/4"	25	500
HV0842	RS 3 VIE 3/8"	35	500
HV0852	RS 3 VIE 1/2"	60	500
HV0862	RS 3 VIE 3/4"	100	400
HV0872	RS 3 VIE 1"	180	350
HV0873	RS 3 VIE 1 1/4"	180	350
HV0875	RS 3 VIE 1 1/2"	180	350



3 WAYS DIVERTER VALVES

Code Number	Flow Rate L/min	Max. Pressure Bar
HP 303 3/8	60	300
HP 303 1/2	90	250
HP 303 3/4	120	220



PUSHBUTTON END STROKE VALVES NORMALLY OPENED

Code Number	Type	Max. Flow L/min	Max. Pressure Bar
HV0817	V-101 3/8" NA	45	350
HV0818	V-121 1/2" NA	60	350



DOUBLE PILOT OPERATED CHECK VALVES

Code Number	Type	Pilot Ratio	Max. Flow L/min	Max. Pressure Bar	Cracking Pressure Bar
HV0010	VBPDE 1/4" L	1:5,5	20	350	4.0
HV0020	VBPDE 3/8" L	1:5,5	35	350	3.0
HV0030	VBPDE 1/2" L	1:5,0	50	350	6
	VBPDE 3/4"	1:4	100	300	2.0



DOUBLE PILOT OPERATED CHECK VALVES TYPE A

Code Number	Type	Pilot Ratio	Max. Flow L/min	Max. Pressure Bar	Cracking Pressure Bar
HV0178	VBPDE 1/4" A	1:5,5	20	350	4.5
HV0180	VBPDE 3/8" A	1:5,5	35	350	4.5
HV0190	VBPDE 1/2" A	1:4,5	55	350	5.5
H0191	VBPDE 3/4" A	1:3,7	100	350	3



DOUBLE PILOT OPERATED CHECK VALVES FOR 12 mm. PIPE MOUNTING (DIN 2353)

Code Number	Type	Pilot Ratio	Max. Flow L/min	Max. Pressure Bar	Cracking Pressure Bar
HV0090	VBPDE 1/4" L2CEXC	1:5,5	20	350	4.0
HV0110	VBPDE 3/8" L2CEXC	1:5,5	30	350	4.0
HV0135	VBPDE 1/2" L2 CC	1:5,0	50	350	3.0

DOUBLE PILOT OPERATED
CHECK VALVES FLANGEABLE

Code Number	Type	Max. Flow L/min	Max. Pressure Bar	Cracking Pressure Bar
HV0185	VBPDE 3/8" FL	30	350	4.5
HV0195	VBPDE 1/2" FL	55	350	5.5
HV0187	VBPDE 3/8" FL-L3=62	30	350	4.5



SINGLE OPERATED
CHECK VALVES

Code Number	Type	Pilot Ratio	Max. Flow L/min	Max. Pressure Bar	Cracking Pressure Bar
HV0220	VBPSE 1/4" L4 VIE	1:5,5	20	350	4.0
HV0230	VBPSE 3/8" L4 VIE	1:5,5	35	350	3.0
HV0240	VBPSE 1/2" L4 VIE	1:5,0	50	350	6
HV0245	VBPSE 3/4" L4 VIE	1:4,0	100	350	2.0



SINGLE OVERCENTER
VALVES TYPE A

Code Number	Type	Max. Flow L/min	Max. Pressure Bar
HV0382	VBCD 1/4"SE/A	25	350
HV0392	VBCD 3/8"SE/A	40	350
HV0412	VBCD 1/2"SE/A	60	350
HV0419	VBCD 3/4"SE/A	100	350
HV0417	VBCD 1"SE/A	150	350



SINGLE OVERCENTRE VALVES
FLANGEABLE

Code Number	Type	Max. Flow L/min	Max. Pressure Bar
HV0400	VBCD 3/8" SE/FL	40	350
HV0402	VBCD 1/2" SE/FL	60	350



SINGLE OVERCENTRE VALVES
FIXING BY SCREW

Code Number	Type	Max. Flow L/min	Max. Pressure Bar
HV0392/FLV	VBCD 3/8" SE/A FLV	40	350
HV0412/FLV	VBCD 1/2" SE/A FLV	60	350



VALVES VANNES

DOUBLE OVERCENTRE VALVES TYPE A

Code Number	Type	Pilot Ratio	Max. Flow L/min	Max. Pressure Bar
HV0418	VBCD 1/4" DE/A	1:4,5	25	350
HV0422	VBCD 3/8" DE/A	1:4,5	40	350
HV0432	VBCD 1/2" DE/A	1:4,5	60	350
HV0435	VBCD 3/4" DE/A	1:5,5	100	350
HV0436	VBCD 1" DE/A	1:5,5	150	350



DOUBLE OVERCENTRE VALVES FLANGEABLE

Code Number	Type	Pilot Ratio	Max. Flow L/min	Max. Pressure Bar
HV0424	VBCD 3/8" DE/FL	1:4,5	40	350
HV0434	VBCD 1/2" DE/FL	1:4,5	60	350



DOUBLE OVERCENTRE VALVES FIXING BY SCREW

Code Number	Type	Pilot Ratio	Max. Flow L/min	Max. Pressure Bar
HV0422/FLV	VBCD 3/8" DE/A FLV	1:4,5	40	350
HV0432/FLV	VBCD 1/2" DE/A FLV	1:4,5	60	350



SINGLE OVERCENTER FOR CLOSED CENTER VALVES

Code Number	Type	Pilot Ratio	Max. Flow L/min	Max. Pressure Bar
HV0407	VBCD 3/8" SE CC	1:3,1	35	350
HV0408	VBCD 1/2" SE CC	1:3,1	50	350
HV0409	VBCD 3/4" SE CC	1:5,5	105	350



DOUBLE OVERCENTRE FOR CLOSED CENTER VALVES

Code Number	Type	Pilot Ratio	Max. Flow L/min	Max. Pressure Bar
HV0441	VBCD 3/8" DE CC	1:3,1	35	350
HV0442	VBCD 1/2" DE CC	1:3,1	50	350
HV0443	VBCD 3/4" DE CC	1:5,5	105	350





DOUBLE OVERCENTER VALVES
FOR CLOSED CENTER VALVES TYPE A

Code Number	Type	Pilot Ratio	Max. Flow L/min	Max. Pressure Bar
HV0389	VBCD 1/4" DE-A CC	1:4,5	20	350
HV0421	VBCD 3/8" DE-A CC	1:4,5	40	350
HV0423	VBCD 1/2" DE-A CC	1:4,5	60	350



SINGLE OVER CENTER VALVES
FOR CLOSED CENTER VALVES TYPE A

Code Number	Type	Pilot Ratio	Max. Flow L/min	Max. Pressure Bar
HV0388	VBCD 1/4" SE-A CC	1:4,5	25	350
HV0391	VBCD 3/8" SE-A CC	1:4,5	40	350
HV0393	VBCD 1/2" SE-A CC	1:4,5	60	350



STEEL FLOW DIVIDERS

Code Number	Type	Max. Flow L/min	Max. Pressure Bar
HV1022	DFL 6-10 (3/8")	10	300
HV1023	DFL 10-20 (3/8")	20	300
HV1025	DFL 25-40 (1/2")	40	300
HV1026	DFL 40-60 (1/2")	60	300
HV1124	VDF 20-32 (3/8")	32	300



3 WAYS FLOW CONTROL VALVES

Code Number	Type	Pilot Ratio	Max. Flow L/min	Max. Pressure Bar
HV1060	VPR3 3/8"	60	50	350
HV1070	VPR3 1/2"	80	60	350
HV1080	VPR3 3/4"	120	100	350
HV1090	VPR3 1"	200	170	350



3 WAYS FLOW CONTROL VALVES
WITH EXCESS TO TANK

Code Number	Type	Pilot Ratio	Max. Flow L/min	Max. Pressure Bar
HV1110	RFP3 3/8"	60	50	350
HV1120	RFP3 1/2"	80	60	350
HV1130	RFP3 3/4"	120	100	350

2 WAYS FLOW DIVIDERS



Code Number	Type	Max. Flow L/min	Max. Pressure bar
HV01001	V-EQ 8 (3/8")	3	300
HV01000	V-EQ 10 (3/8")	6	300
HV01002	V-EQ 15 (3/8")	10	300
HV01003	V-EQ 20 (3/8")	20	300
HV01004	V-EQ 22 (3/8")	32	300
HV01005	V-EQ 25 (1/2")	40	300
HV01006	V-EQ 30 (1/2")	60	300
HV01007	V-EQ 50 (1/2")	80	300

RELIEF VALVES



Code Number	Type	Max. Flow L/min	Max. Pressure Bar	Pressure Setting Range Bar	
HV0689	VMP 1/4" L	30	350	10-180	80-300
HV0690	VMP 3/8" L	40	350	10-180	80-300
HV0700	VMP 3/8"	45	350	10-180	80-300
HV0710	VMP 1/2"	70	350	10-180	80-300
HV0720	VMP 3/4"	90	350	10-180	80-300

DIFFERENTIAL AREA RELIEF VALVES



Code Number	Type	Max. Flow L/min	Max. Pressure Bar	Pressure Setting Range Bar	
HV0725	VMPP 3/4"	120	350	20-200	
HV0725	VMPP 3/4"	120	350	50-400	
HV0735	VMPP 1"	160	350	20-200	
HV0735	VMPP 1"	160	350	50-400	

CROSSLINE RELIEF VALVES



Code Number	Type	Max. Flow L/min	Max. Pressure Bar	Pressure Setting Range Bar	
H V0438	VAU 1/4"	30	350	10-180	80-300
H V0440	VAU 3/8"	45	350	10-180	80-300
H V0450	VAU 1/2"	70	350	10-180	80-300
H V0460	VAU 3/4"	110	350	10-180	80-300



SHUTTLE VALVES

Code Number	Type	Max. Flow L/min	Max. Pressure Bar
HV0666	VU2P 1/4"	30	350
HV0668	VU2P 3/8"	45	350
HV0670	VU2P 1/2"	70	350
HV0680	VU2P 3/4"	110	350
HV0685	VU2P 1"	150	300



FLOW REGULATOR VALVES With check valves

Code Number	Type	Max. Flow L/min	Max. Pressure Bar
HV0581	VRFU 90 1/4"	15	350
HV0582	VRFU 90 3/8"	30	350
HV0583	VRFU 90 1/2"	50	350
HV0588	VRFU 90 3/4"	80	320
HV0576	VRFU 90 1"	110	300



FLOW REGULATOR VALVES

Code Number	Type	Max. Flow L/min	Max. Pressure Bar
HV0584	VRFB 90 1/4"	15	350
HV0586	VRFB 90 3/8"	30	350
HV0587	VRFB 90 1/2"	50	350
HV0589	VRFB 90 3/4"	80	320
HV0577	VRFB 90 1"	110	300



BARREL TYPE UNIDIRECTIONAL FLOW CONTROL VALVES

Code Number	Type	Max. Flow L/min	Max. Pressure bar
HV0540	VRF 1/4"	20	300
HV0550	VRF 3/8"	45	300
HV0560	VRF 1/2"	70	300
HV0570	VRF 3/4"	110	250
HV0580	VRF 1"	160	250

HMFF



HMMF



HOSE BURST VALVE

Code Number	Type	Max. Flow		Max. Pressure Bar
		L/min		
HV0771	VUBA 1/4"+MFF/MMF	20		350
HV0781	VUBA 3/8"+MFF/MMF	50		350
HV0791	VUBA 1/2"+MFF/MMF	80		350
HV0801	VUBA 3/4"+MFF/MMF	140		350
HV0811	VUBA 1"+MFF/MMF	180		350

HOSE BURST VALVE CARTRIDGE

Code Number	Type	Max. Flow		Max. Pressure Bar
		L/min		
HV0770	VUBA 1/4"	20		350
HV0780	VUBA 3/8 "	50		350
HV0790	VUBA 1/2"	80		350

DIRECT ACTING SEQUENCE VALVES

Code Number	Type	Max. Flow		Pressure Setting Range	
		L/min		Bar	
HV0640	VS2C 3/8"	35		30-180	80-300
HV0660	VS2C 1/2"	70		10-180	80-300
HV0665	VS2C 3/4"	110		20-200	50-400

FLANGEABLE

2 PUMPS "HI-LOW" UNLOADING VALVES

Code Number	Type	Max. Flow			Max. Pressure Bar
		AP	BP	T	
HV0518	VABP FL6	20	40	60	350
HV0515	VABP FL10	30	50	80	350
HV0516	VABP FL16	40	100	120	350

2 PUMPS "HI-LOW" UNLOADING VALVES

Code Number	Type	Max. Flow			Max. Pressure Bar
		AP	BP	T	
HV0512	VABP 3/8"	20	40	60	350
HV0513	VABP 1/2"	30	50	80	350
HV0514	VABP 3/4"	40	80	120	350



DOUBLE ACTING PLOUGH OVERTURNING VALVE

Code Number	Type	Max. Exchange Pressure Bar	Max. Pressure Bar
HV0282	VRAP 40/50 DE	250	400
HV0290	VRAP 60/80 DE	250	400
HV0300	VRAP 80/100 DE	250	400



DOUBLE ACTING PLOUGH OVERTURNING VALVE WITH ALIGNMENT FOR ON FALLOW PLOUGHS

Code Number	Type	Max. Exchange Pressure Bar	Max. Pressure Bar
HV0340	VRAP 80/100SESV	230	400



IN LINE ROTATING COUPLINGS

Code Number	Type	Max. Exchange Pressure Bar	Max. Pressure Bar
HG1050	GGL 1/4"	25	400
HG1060	GGL 3/8"	35	400
HG1070	GGL 1/2"	60	300
HG1080	GGL 3/4"	100	300
HG1090	GGL 1"	180	300
HG1091	GGL 1 1/4"	270	300
HG1092	GGL 1 1/2"	350	300



90° ROTATING COUPLINGS

Code Number	Type	Max. Exchange Pressure Bar	Max. Pressure Bar
HG0990	GG 90° 1/4"	25	400
HG1010	GG 90° 3/8"	35	400
HG1020	GG 90° 1/2"	60	300
HG1030	GG 90° 3/4"	100	300
HG1040	GG 90° 1"	180	300
HG1042	GG 90° 1 1/4"	270	300
HG1043	GG 90° 1 1/2"	350	300

HY 100 SERIE OIL COOLERS WITH ELECTRIC MOTORS

HHY 100 SERIES

12V



Type	Alternative Number	Max.Volumetric Flow Rate Lt/min	Capacity Kcal/h	Max.Operating Pressure Bar	Thermostat °C	Voltage
HHY01002	2010K	40	2000	24	60/48°C	12 V
HHY01602	2015K	80	5500	24	60/48°C	12 V
HHY01802	2020K	100	6000	24	60/48°C	12 V
HHY02402	2024K	120	12000	24	60/48°C	12 V
HHY03802	2030K	160	20000	24	60/48°C	12 V
HHY05702	2040K	200	25000	24	60/48°C	12 V
HHY10502	2050K	240	40000	24	60/48°C	12 V

HHY 100 SERIES

24 V



Type	Alternative Number	Max.Volumetric Flow Rate Lt/min	Capacity Kcal/h	Max.Operating Pressure Bar	Thermostat °C	Voltage
HHY01004	2010K	40	2000	24	60/48°C	24 V
HHY01604	2015K	80	5500	24	60/48°C	24 V
HHY01804	2020K	100	6000	24	60/48°C	24 V
HHY02404	2024K	120	12000	24	60/48°C	24 V
HHY03804	2030K	160	20000	24	60/48°C	24 V
HHY05704	2040K	200	25000	24	60/48°C	24 V
HHY10504	2050K	240	40000	24	60/48°C	24 V

HHY 100 SERIES

230 V 1 Phase 50 Hz



Type	Alternative Number	Max.Volumetric Flow Rate Lt/min	Capacity Kcal/h	Max.Operating Pressure Bar	Thermostat °C	Voltage
HHY01001	2010K	40	2000	24	60/48°C	230 V
HHY01601	2015K	80	5500	24	60/48°C	230 V
HHY01801	2020K	100	6000	24	60/48°C	230 V
HHY02401	2024K	120	12000	24	60/48°C	230 V
HHY03801	2030K	160	20000	24	60/48°C	230 V
HHY05701	2040K	200	25000	24	60/48°C	230 V

OIL COOLERS REFROIDISSEURS D'HUILE



HHY 100 SERIES

230/400 V 3 Phase 50/60 Hz



Type	Alternative Number	Max.Volumetric Flow Rate Lt/min	Capacity Kcal/h	Max.Operating Pressure Bar	Thermostat °C	Voltage
HHY01003	2010K	40	2000	24	60/48°C	230 V/400 V
HHY01603	2015K	80	5500	24	60/48°C	230 V/400 V
HHY01803	2020K	100	6000	24	60/48°C	230 V/400 V
HHY02403	2024K	120	12000	24	60/48°C	230 V/400 V
HHY03803	2030K	160	20000	24	60/48°C	230 V/400 V
HHY05703	2040K	200	25000	24	60/48°C	230 V/400 V
HHY10503	2050K	240	40000	24	60/48°C	230 V/400 V

HY 200 SERIE OIL COOLERS WITH ELECTRIC MOTOR

230/400 V 3 Phase 50/60 Hz



Type	Alternative Number	Max.Volumetric Flow Rate Lt/min	Capacity Kcal/h	Max.Operating Pressure Bar	Thermostat °C	Voltage
HY21503	HPA24 400V B14	120	16000	24	60/48°C	230/400V 3Faz 50/60 Hz
HY22003	HPA30 400V B14	180	21500	24	60/48°C	230/400V 3Faz 50/60 Hz
HY22503	HPA36 400V B14	180	30000	24	60/48°C	230/400V 3Faz 50/60 Hz
HY23003	HPA42 400V B14	200	35000	24	60/48°C	230/400V 3Faz 50/60 Hz
HY23503	HPA52 400V B14	300	43000	24	60/48°C	230/400V 3Faz 50/60 Hz

HY 200 SERIE OIL COOLERS WITH HYDRAULIC MOTOR

HY 200 SERIE



Type	Alternative Number	Max.Volumetric Flow Rate Lt/min	Capacity Kcal/h	Max.Operating Pressure Bar	Thermostat °C	Voltage
HHY22006	HPA 30 pred.	180	38000	24	60/48°C	GR 2
HHY22506	HPA 36 pred.	180	41000	24	60/48°C	GR 2
HHY23006	HPA 42 pred.	200	46000	24	60/48°C	GR 2
HHY23506	HPA 52 pred.	300	58000	24	60/48°C	GR 2

HM SERIEHYDROSTATIC TRANSMISSION COOLER

HM SERIE



Type	Alternative Number	Max.Volumetric Flow Rate Lt/min	Capacity Kcal/h	Max.Operating Pressure Bar
HHM10088		90	2	24 V
HHM10087		90	2	12 V

SERIE 30300 MECHANICAL COUPLINGS GR1-2-3

Code	Pump Group	Direction of Rotation	Nominal Torque daNm	Max Speed rpm	Max. Power Output kW	Axial Load daN
H30100	GR. 1-2	Reversible	9	2000	30	120
H30300	GR. 2-3	Reversible	18.5	2700	40	160
H30301	GR. 2-3	Right	18.5	2700	40	160
H30302	GR. 2-3	Left	18.5	2700	40	160



H30300



SERIE 30900 ELECTROMAGNETIC COUPLINGS GR 2-3

Code	Pump Type	Direction of Rotation	Nominal Torque daNm	Static Torque daNm	Voltage V
H30901 Pulley	GR 2	Reversible	7.8	12.5	12
H30903 Pulley	GR 2	Reversible	7.8	12.5	24
H30909 Pulley	GR 3	Reversible	7.8	12.5	12
H30911 Pulley	GR 3	Reversible	7.8	12.5	24
H30933 Flange	GR 2	Reversible	7.8	12.5	12
H30934 Flange	GR 2	Reversible	7.8	12.5	24
H30935 Flange	GR 3	Reversible	7.8	12.5	12
H30936 Flange	GR 3	Reversible	7.8	12.5	24



Pulley



Flange

SERIE 10000 SPLINED HALF-COUPLINGS








Code	Pump Type	Taper Ratio	Number of Teeth	Key Tickness
H10005	ML32 Gr. 20	1:8	14	3.17
H10012	ML52 Gr. 20	1:8	18	3.17
H10014	ML52 Gr. 30	1:8	18	3.17

















PUMP SUPPORTS








Code	Pump Type	Axial Load daN	Radial Load daN
H25601	GR1	90	75
H25602	GR2	110	130
H25604- 4	GR3	140	245



						
Part Number	H177H7-10101		H181E7-10001		H 181N7-10001	
Forklift Model	TCM FB15-6 (Z=10)		TCM FB15-7(Z=10)		TCM FB20-7 (Z=10)	

						
Part Number	H280B7-10001		H178M7-20201		H133A7-10201	
Forklift Model	TCM FB30-7 (Z=10)		TCM FRB15-6(Z=10)		TCM FG20-30N5 (Z=10)	

						
Part Number	H110F7-10271		H134A7-10301/1CN57-10301		H129F7-10301 / H24C7-10011	
Forklift Model	TCM FG20-30N5 (Z=10)		TCM FG20-30T3/K21(Z=10)		TCM FG20-30T3/K25 (Z=10)	








						
Part Number	H117M7-10321		H139A7-10101		H129F7-10301	
Forklift Model	TCM FD20-30Z5/C240PKJ (Z=10)		TCM FD30T6H/V3300 (Z=13)		TCM FHD35,36Z9/4JG2 (Z=10)	









Part Number
H110F7-10271
H134A7-10301
H117M7-10401
Forklift Model
TCM FD20-30T6N/TD27 (Z=10)
TCM FD20-30T7,T3/TD27 (Z=10)
TCM FD20-30T6,T3/C240 (Z=10)








Part Number
H124W7-10301
H135C7-10021
H143C7-10011
Forklift Model
TCM FG35-40T8/TB42 (Z=13)
TCM FG35-40T8/TB42 (Z=13)
TCM FD35-40T9/S6S (Z=13)






Part Number
H143F7-10011
H128E7-10201
H15787-10502
Forklift Model
TCM FD35-50T9/S6S (Z=13)
TCM FD35-50T8,C8/6BG1 (Z=13)
TCM FD50-100Z7 (Z=13)








Part Number
H15787-10402
H15807-10302
H130C7-10401
Forklift Model
TCM FD50-70Z7 (Z=13)
TCM FD80-100Z7 (Z=13)
TCM FD50-100Z8 (Z=13)





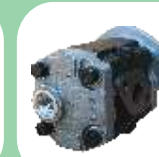


						
Part Number	H130C7-11361		H130G7-11441		H 67110-13620-71	
Forklift Model	TCM FD50-70Z8 (Z=13)		TCM FD80-100Z8 (Z=13)		TOYOTA 6FD10-18/1DZ, 6FG10-18/4Y (Z=10)	








						
Part Number	H 67110-23660-71		H67110-32071-71/67110-32070-71		H67110-13600-71/67110-13610-71	
Forklift Model	TOYOTA 6-7FD20-30/2Z (Z=10)		TOYOTA 3-5FD10-30/2J,1DZ,1Z; 2-5FG10-30/4P,5P,4Y,5K (Z=10)		TOYOTA 6FG10-25/5K (Z=10)	








						
Part Number	H67110-22071-71/67110-22070-71		H 67110-33620-71		H67110-33041-71/67110-33040-71	
Forklift Model	TOYOTA 5FD10-30/2J,1DZ,1Z; 4-5FG10-30/4P,5R,4Y,5K (Z=10)		TOYOTA 6FG30/4Y (Z=10)		TOYOTA 5FD20-30/2J; 5FG10-18/5K,4P (Z=10)	








						
Part Number	H67110-13081-71		H67110-23640-71			
Forklift Model	TOYOTA 5FG10-18/5K; 5FGC10-15/4P		TOYOTA 6FD20-30/1DZ (Z=10)			








						
Part Number	H67110-23620-71		H67110-23360-71		H 67130-23320-71	
Forklift Model	TOYOTA 6FG20-25/4Y (Z=10)		TOYOTA 7FD20-30/1DZ (Z=10)		TOYOTA 7FG10-25/5K (Z=10)	








						
Part Number	H67130-33330-71		H67130-13330-71		H 67120-16600-71	
Forklift Model	TOYOTA 7FG20-30/4Y (Z=10)		TOYOTA 7FG10-18/4Y, 7FD10-18/1DZ (Z=10)		TOYOTA 8FG10-18/4Y, 8FD10-18/1DZ (Z=10)	






						
Part Number	H67120-26650-71/67110-N3070-71		H67110-32871-71		H67120-32881-71	
Forklift Model	TOYOTA 8FG20-30/4Y, 8FD20-30/1DZ (Z=10)		TOYOTA 5FG35-45/2F (Z=13)		TOYOTA 6FD35-45/13Z (Z=13)	

						
Part Number	H67110-30510-71		H67110-30520-71		H67110-30550-71	
Forklift Model	TOYOTA 7FG35-40/1FZ,G4(GM6-262) (Z=13)		TOYOTA 7FG35-40/1FZ,G4(GM6-262) (Z=13)		TOYOTA 7FD45-50/13Z,14Z (Z=13)	

						
Part Number	H130C7-11361		H130G7-11441		H 67110-13620-71	
Forklift Model	TCM FD50-70Z8 (Z=13)		TCM FD80-100Z8 (Z=13)		TOYOTA 6FD10-18/1DZ, 6FG10-18/4Y (Z=10)	

						
Part Number	H67110-23660-71		H67110-32071-71/67110-32070-71		H67110-13600-71/67110-13610-71	
Forklift Model	TOYOTA 6-7FD20-30/2Z (Z=10)		TOYOTA 3-5FD10-30/2J,1DZ,1Z; 2-5FG10-30/4P,5P,4Y,5K (Z=10)		TOYOTA 6FG10-25/5K (Z=10)	

						
Part Number	H 67110-22071-71/67110-22070-71		H67110-33620-71		H67110-33041-71/67110-33040-71	
Forklift Model	TOYOTA 5FD10-30/2J,1DZ,1Z; 4-5FG10-30/4P,5R,4Y,5K (Z=10)		TOYOTA 6FG30/4Y (Z=10)		TOYOTA 5FD20-30/2J; 5FG10-18/5K,4P (Z=10)	

						
Part Number	H67110-13081-71		H 67110-23640-71			
Forklift Model	TOYOTA 5FG10-18/5K; 5FG10-15/4P (Z=10)		TOYOTA 6FD20-30/1DZ (Z=10)			



Part Number

H67110-23620-71

H67110-23360-71

H67130-23320-71

Forklift Model

TOYOTA 6FG20-25/4Y (Z=10)

TOYOTA 7FD20-30/1DZ (Z=10)

TOYOTA 7FG10-25/5K (Z=10)



Part Number

H67130-33330-71

H67130-13330-71

H67120-16600-71

Forklift Model

TOYOTA 7FG20-30/4Y (Z=10)

TOYOTA 7FG10-18/4Y, 7FD10-18/1DZ
(Z=10)

TOYOTA 8FG10-18/4Y, 8FD10-18/1DZ
(Z=10)



Part Number

H67120-26650-71/67110-N3070-71

H67110-32871-71

H67120-32881-71

Forklift Model

TOYOTA 8FG20-30/4Y, 8FD20-30/1DZ
(Z=10)

TOYOTA 5FG35-45/2F (Z=13)

TOYOTA 6FD35-45/13Z (Z=13)



Part Number

H67110-30510-71

H67110-30520-71

H 67110-30550-71

Forklift Model

TOYOTA 7FG35-40/1FZ,G4(GM6-262)
(Z=13)

TOYOTA 7FG35-40/1FZ,G4(GM6-262)
(Z=13)

TOYOTA 7FD45-50/13Z,14Z (Z=13)



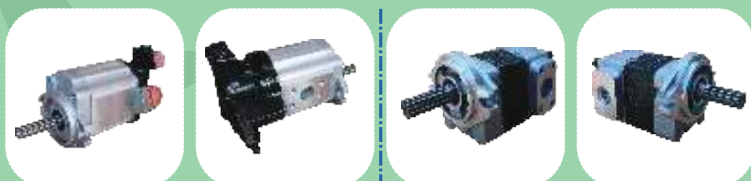
Part Number	H3EA-60-44110	H37B-1KB-2030	H37B-1KB-2020
Forklift Model	KOMATSU FD10-18/-20(4D92E) (Z=11)	KOMATSU FD30-11/4D95L (Z=10)	KOMATSU FD30-11/4D95S (Z=10)



Part Number	H3EB-60-12410	H37B-1KB-3040	H37B-1KA-3020/37B-1KA-3040
Forklift Model	KOMATSU FD30-11/C240 (Z=10)	KOMATSU FD30-12,14/4D94E (Z=10)	KOMATSU FG30-12,-14/H20,H25 (Z=10)



Part Number	H37B-1KB-5040/37B-1KB-5050	H37B-1KA-5020/37B-1KA-5040	H3EC-60-31211/3EC-60-31210
Forklift Model	KOMATSU FD30-16/4D94LE,4D98E (Z=11)	KOMATSU FG20-25/-26(K21), FG30-16/K25 (Z=11)	KOMATSU FD35-45T7/6D102E (Z=13)



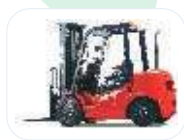
Part Number	H91271-26200	H91771-10600
Forklift Model	mitsubishi F18A/S4E,S4E2 (Z=10)	MITSUBISHI FD20-30MC(F18B,F14B/C)/S4S (Z=13)



Part Number	H91E71-10200	H91B71-00200	H91E71-00100
Forklift Model	MITSUBISHI FD20-30N(F18C,F14E)/S4S (Z=13)	MITSUBISHI FG20-25N/K21 (Z=10)	MITSUBISHI FG30N/K25 (Z=10)



Part Number	H39U2-60160	HA75G7-10001	HA61F7-10001
Forklift Model	HYUNDAI HC30,HD30/D4BB (Z=6)	HELI H2000 CPD18-25 (Z=10)	HELI CPD10-15 (Z=10)



Part Number	HA77X7-10001	HH93N7-10001	HH24C7-10011, H24C7-10001
Forklift Model	HELI CPD30 (Z=10)	HELI CPC(D)30-35/490BPG (Z=6)	HELI CPC(D)20-35,CPQ(D)20-35/CA498,K21,K25 (Z=10)



Part Number	HH2F97-10001	HH25S7-10001/H25S7-10011	HCBHZG-F30-ATs-G00
Forklift Model	HELI CPC(D)20-35/V2403 (Z=10)	HELI CPC(D)20-35/C240PKJ,V3600,4TNE98 (Z=10)	HANGCHA CPC(D)20-30/C240PKJ (Z=10)



Part Number	HN150-601100-000	H 2080691	H1608836
Forklift Model	HANGCHA CPC(D)20-30(XC 490/495/498) (Z=6)	HYSTER H2.5TX/4TNE92 (Z=11)	HYSTER H2.50DX,H3.00DX/4TNE92 (Z=11)



Part Number		HC33X	HC72X
Forklift Model	STILL R60-25	BALK ANCAR	BALK ANCAR



Part Number	H20A11X250-12/12.5A	H20A11X270-12/12.5A	H30C32X415
Forklift Model	BALK ANCAR	BALK ANCAR	BALK ANCAR



Part Number	HPXT10 5530	HPXT10 5534	HPXT 5571
Forklift Model	BALK ANCAR	BALK ANCAR	BALK ANCAR



Part Number	HA20A7-30421	HA20A7-30431	HA20A7-30441
Forklift Model	HELI – HANGCHA 1-3T Diesel forklift	HELI – HANGCHA 1-3T Diesel forklift	HELI – HANGCHA 1-3T Diesel forklift



Part Number	H25787-30202G	HR450-3	H135L3-82003	H130C3-82751
Forklift Model	HELI – HANGCHA 5-7T Diesel forklift	HANGCHA 4.5 T Diesel forklift	TCM FD20-30T6 FD1 0-18T12, T1 9	TCM FD50-100Z8 FD35-45T8/T9



OEM Number

FIAT / HP570140

FIAT / HP569307

FIAT / HP5179732

FIAT / HP5179724

FIAT / HP5179730

FIAT / HP5179722



FIAT / HP5179719

FIAT / HP5179714

FIAT / HP5129493

FIAT / HP82991210

FIAT / HP5180269

FIAT / HP5180271

FIAT / HP5180273



FIAT / HP1930398

FIAT / HP5161711

FIAT / HP5164616

FIAT / HP5165251

FIAT / HP 5135305

FIAT / HP5168841



OEM Number

MF/HP897147M95

MF/HP1696665M91

MF/HP3819972M91

MF/HP3149403M91

MF/HP773126M92

MF/HP3409523M91



MF /HP3549613M91



MF/HP3816914M91



MF/HP3816915M91



MF/HP6214827M91



MF/HP020556T1



MF/HP159397



MF/HP3549614M91

NEW



MF/HP3790722M1



MF/HP1685031M91



MF/HP3533910M91



MF/HP3186320M92



MF/HP3409524M91



MF/HP6202491M91



MF/P 480
Gyro valve



MF / P510*
Selector Valve



MF/P510 with kit



MF/HP532192M93



MF/HP3712250M1



MF /HP782509M91



MF/HP1695445M91



MF/HP1684986M91

* 2 outlets



MF/HP1808629M91



MF/HP3384675M1



MF/HP3383107M91



MF/HP3821548M91



MF/P625 *



MF/HP6262009



MF/HP3148760M91

* 4 outlets



OEM Number

MF/HP3409925 M91

MF/HP3145114 M91

MF/HP047821T1

MF/HP047822T1

MF/HP1691156M93

MF



MF/HP3774649M91

MF/HP72277154

MF/HP72281327

MF/HP72276669

MF/HP3539856M91

MF/HP3539857M91

MF/HP3539858M91



MF/HP3539859M91

MF/HP3774612M91

MF/HP3597420M91

MF/HP3774613M91

MF/HP052107T1

MF/HP052207T1

MF/HP041683T1



MF/HP062976T1

MF/HP3382280M1

MF/HP3816909M91

MF/HP3816910M91

MF/HP3816911M91

MF/HP3816912M91

MF/HP3816913M91



OEM Number

FORD/HP83996272

FORD/HPD0NN600G

FORD/HP87540838

FORD/HPE9NN600BC

FORD/HP87540837

FORD/HPF0NN600BB



OEM Number

FORD/HPD8NN600LB

FORD/HPD2NN600BB

FORD/HPD0NN600F

FORD/HPE0NN3K514AB

FORD/HPE6NN3K514PA

FORD/HP565007



OEM Number

FORD/HPE2NN600BA

FORD/HP87540833

FORD/HP87540835

FORD/HPD5NN600C

FORD/HP0510665385

FORD/HP0510665325



OEM Number

FORD/HP0510565325

FORD/HPF0NN3A244AA

FORD/HPF2NN3A244BA

FORD/HPD8NN600FA

FORD/HP307001-3300

FORD/HP1PN-119-AG



OEM Number

LANDINI/
HP3546156M91

LANDINI/
HP3539856M91

LANDINI/
HP3539857M91

LANDINI/
HP3539858M91

LANDINI/
HP3539859M91

LANDINI/
HP1824475M91*

*Pressure flange mount hole is 30.2 mm, need to change fitting.



OEM Number

LANDINI/
HP3533910M91

LANDINI/
HPBH525039

LANDINI/
HP3534941M91

LANDINI/
HP3549614M91

LANDINI/
HP3552261M91

LANDINI/
HP3652099M91



OEM Number

LANDINI/
HP4212880*

LANDINI/
HP3536740M91

LANDINI/
HP3530246M91

LANDINI/
HP3655100M91

LANDINI/
HP3661228M91

LANDINI/
HP1809696M91

*HP4212879 is the part number for
Landpower-Iveco engine.
(36 + 16 cc/rev)



NEW

OEM Number

LANDINI/
HP3305964M91

LANDINI/
HP3305003M91

LANDINI/
HP3305002M91

LANDINI/
HP3534083M91

LANDINI/
HP3552545M91

JD/ HPRE241577*

*HPRE241577 is for 4 cyl. tractor
F 6 l i t t b i RE241578



OEM Number

JD/HPAZ19692

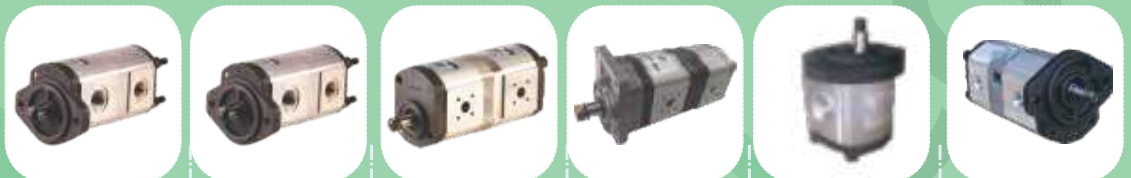
JD/HPAL 37753

JD/HPAL 15149

JD/HPAL 16963

JD/HPAL 156335

JD/HPRT7700036171



OEM Number

JD/HPRE68886

JD/HPRE223233

JD/HPAR 55346

JD/HPDQ.03488

JD/HPAZ32157

JD/HPAZ365555



OEM Number

JD/HPAZ49120

JD/HPAL163918

JD/HPRE73947

JD/HPAL55954

JD/HPAL55956

JD/HPAL41604



OEM Number

JD/HPAL55308

JD/HPAL41631

JD/HPAL41291

JD/HPAL55296

JD/HPRE72058

JD/HPRE279132



OEM Number

HDEUTZ/HP01174516

HDEUTZ/HP01174517

HDEUTZ/HP01174513

HDEUTZ/
HP0510615322

HDEUTZ/HP01176452

HDEUTZ/HP01176453



OEM Number

HDEUTZ/HP0510615326

HDEUTZ/HP01176000

HDEUTZ/HP01175992

HDEUTZ/HP01174210

HDEUTZ/HP01176451

HDEUTZ/HP0510765309



OEM Number

HDEUTZ/HP01179086

HDEUTZ/
HP1515702072

HDEUTZ/ HP01173717

HDEUTZ/ HP245299500

HDEUTZ/HP245299200

HDEUTZ/HP245390900



HDEUTZ/HP3021292

HDEUTZ/
HP04454986/10

HDEUTZ/HP02333728



OEM Number

CASE /HP3146446R93

CASE /HP3142563R91

CASE /HP3401189R93

CASE /HP3223932R93

CASE /HP3147535R94

CASE /HP3142097R91



OEM Number

CASE /HP245297400

CASE /HPE-62627 UNF

CASE /HP308873A1

CASE /HP1530459C1

CASE /HP114910A1

CASE /HP3054300R93



OEM Number

CASE /HP3072695R91

CASE /HP704330R95

CASE /HP01176000

CASE /HP5164616

CASE /HP5165251

CASE /HP84530154



OEM Number

CASE /HP366441A1

CASE /HPD84179

CASE /HPA137187

UNIVERSAL /HPH8.01

UNIVERSAL /
HPPRD2-216D

UNIVERSAL /
HPPRD2-216S

TRACTOR GROUP GROUPE TRACTEUR



OEM Number CLAAS / HP656860.0 CLAAS /HP070603.0 CLAAS / HP0011134050 CLAAS / HPGD5-2012H16FFL-20



OEM Number LAMBORGHINI / HP2.4529.250.0 LAMBORGHINI / HP0510425021 LAMBORGHINI / HP2.4529.420.0 LAMBORGHINI / HP2.4529.390.0 LAMBORGHINI / HP2.4529.330.0 LAMBORGHINI / HP2.4529.400.0



OEM Number LAMBORGHINI / HP2.4529.300.0 LAMBORGHINI / HP2.4529.470.0 LAMBORGHINI / HP2.4529.920.0 LAMBORGHINI / HP2.4529.740.0 LAMBORGHINI / HP2.4539.090.0 LAMBORGHINI / HP2.4529.780.0



LAMBORGHINI / HP2.4529.280.0 LAMBORGHINI / HP245294400 LAMBORGHINI / HP2.4539.003.0 LAMBORGHINI / HP2.4539.020.0 LAMBORGHINI / HP2.4539.050.0 LAMBORGHINI / HP2.4539.510.0 LAMBORGHINI / HP2.4539.310.0/10



OEM Number

RENAULT /
HP7700036171

RENAULT /
HP7700034422

RENAULT /
HP6005019352

RENAULT /
HP7700035327

RENAULT /
HP7700034421



OEM Number

MCCORMICK /
HP3533910M91

MCCORMICK /
HP3534941M91

MCCORMICK /
HP3661228M91

MCCORMICK /
HP3595190M91

MCCORMICK /
HP3652099M91



OEM Number

FENDT /
HP3057395R92

FENDT /
HP01174516

FENDT /
HP01175992

FENDT /
HP0510665375

FENDT /
HP0510725349



OEM Number

CLAYSON / HP366286

CLAYSON / HP421597

CLAYSON / HP432222

NEW



OEM Number

STEYR/HP1986963C1

STEYR/
HP31100130010

STEYR/
HP66100130025

STEYR/
HP0510625337

STEYR/
HP30800130009

STEYR/
HP612001230071



OEM Number

VALMET/
HP30225110

VALMET/
HP259220006

VALMET/HP130750

VALMET/HP157490-4

VALMET/HP80166110

VALMET/HP81131100



OEM Number

VALMET/HP159400-1

VALMET/
HP80206610

VALMET/
HP8016610012

VALMET/
HP9.510.080.750

VALMET/
HP836.640.234

SHIBAURA



OEM Number

IMT / HP52705239

IMT / HP52705060

IMT / HP51200960

IMR / HP802881

IMR / HP820029



OEM Number

LAVERDA

EBRO

EBRO

EBRO

KUBOTA /
HPKP0570ATSS

KUBOTA /
HPKP0588ATSS

KUBOTA /
HP3A111-82204



OEM Number

KUBOTA /
HPL2000

KUBOTA /
HP38240-76100

KUBOTA /
HPL240

KUBOTA /
MTS/MT3000

KUBOTA /
HP38180-36100

KUBOTA /
22 TEETH

KUBOTA /
HP3C001-8220-2



OEM Number

ISEKI

DB / HPK200330

DB / HPK949605

SONALIKA /
HP800402020B

SONALIKA /
HP803402027A

SONALIKA /
HP803402044A

VOLVO /
HP640-215



OEM Number

BOBCAT /
HP6672513(11 TEETH)

BOBCAT /
HP6650678(9 TEETH)









EICHER /
HP0510525010









EICHER /
HP0510625315

EICHER /
HP0510425010







EICHER /
HP0510625316

EICHER /
HP0510625015

							 NEW
OEM Number	MAN/ HP0511725021	MAN/ HP0510745015	JD/HPRE223233	MF/P625 with kit	MTZ/HPNSH 32	MTZ/HPNSH 50	MTZ/HP0450021

					 NEW	 NEW	
OEM Number	MF/ HP3148762M91	MF/ HP523090M91	MF/ HP523092M91	MF/ HP523089M91	MF/ HP4301819M2	FORD/ HPD8NN600DA	JD/HPAL200179

	 NEW	 NEW					
OEM Number	JD/HPAZ25773	CHAMBERLAIN	CASE/ HP120114C92	FOTON/ FT700.58B.020	FOTON/ FT800.58C.012	FOTON/ FT304.58L.010	FOTON/ FT650.58.010

							 NEW
OEM Number	FOTON/ FT354.40J.011	FOTON/ FT304.40L.023	FOTON/ FT650.40.030	FOTON/ FG1454.581G.1	FOTON/ TG1654.581J.5	FOTON/ FT700.58D.010	VALVE FOR TRACTOR RH06101-AMP

GROUP 20 BIDIRECTIONAL GEAR PUMPS

GROUPE 20 POMPES À ENGRENAGES BIDIRECTIONNELS

ISO SERIE

Code Number	Displacement		Max. Continuous Pressure Bar	Max. Continuous Speed d/dk
	cm ³	Lt (1500d/dk)		
HISO-EDNA 6-BD	6.1	9.15	280	2300
HISO-EDNA 10-BD	10.02	15.03	280	2300
HISO-EDNA 16-BD	16.2	24.3	280	2300
HISO-EDNA 18-BD	18	27	280	2300
HISO-EDNA 20-BD	20.12	30.18	260	2300
HISO-EDNA 25-BD	25.05	37.57	220	2300
HISO-EDNA 32-BD	32.18	48.27	190	2100
HISO-EDNA 40-BD	40.15	60.22	180	1900

UNI SERIE

Code Number	Displacement		Max. Continuous Pressure Bar	Max. Continuous Speed d/dk
	cm ³	Lt (1500d/dk)		
HUNI-EDNA 6-BD	6.1	9.15	280	2300
HUNI-EDNA 10-BD	10.02	15.03	280	2300
HUNI-EDNA 16-BD	16.2	24.3	280	2300
HUNI-EDNA 18-BD	18	27	280	2300
HUNI-EDNA 20-BD	20.12	30.18	260	2300
HUNI-EDNA 25-BD	25.05	37.57	220	2300
HUNI-EDNA 32-BD	32.18	48.27	190	2100
HUNI-EDNA 40-BD	40.15	60.22	180	1900

K SERIE

Code Number	Displacement		Max. Continuous Pressure Bar	Max. Continuous Speed d/dk
	cm ³	Lt (1500d/dk)		
HK-EDNA 6-BD	6.1	9.15	280	2300
HK-EDNA 10-BD	10.02	15.03	280	2300
HK-EDNA 16-BD	16.2	24.3	280	2300
HK-EDNA 18-BD	18	27	280	2300
HK-EDNA 20-BD	20.12	30.18	260	2300
HK-EDNA 25-BD	25.05	37.57	220	2300
HK-EDNA 32-BD	32.18	48.27	190	2100
HK-EDNA 40-BD	40.15	60.22	180	1900

GROUP 30 CAST IRON PUMPS

GROUPE 30 POMPES EN FONTE



ISO SERIE

Code Number	Displacement		Max. Continuous Pressure Bar	Max. Continuous Speed d/dk
	cm ³	Lt (1500d/dk)		
HISOEHASS-17 (L;R; BD)	17.2	25.8	300	2600
HISO EHASS-27 (L;R; BD)	27.3	40.95	290	2600
HISO EHASS -34 (L;R; BD)	33.8	50.7	285	2300
HISO EHASS -43 (L;R; BD)	43.8	65.7	280	2100
HISO EHASS -51 (L;R; BD)	51.73	77.59	230	2100
HISO EHASS -61 (L;R; BD)	61.95	92.92	225	2000
HISO EHASS -82 (L;R; BD)	82.13	123.19	200	1700
HISO EHASS -100 (L;R; BD)	102.5	153.75	190	1600
HISO EHASS -125 (L;R; BD)	127.5	191.25	170	1600

UNI SERIE

Code Number	Displacement		Max. Continuous Pressure Bar	Max. Continuous Speed d/dk
	cm ³	Lt (1500d/dk)		
HUNI EHASS -17 (L;R; BD)	17.2	25.8	300	2600
HUNI EHASS -27 (L;R; BD)	27.3	40.95	290	2600
HUNI EHASS -34 (L;R; BD)	33.8	50.7	285	2300
HUNI EHASS -43 (L;R; BD)	43.8	65.7	280	2100
HUNI EHASS -51 (L;R; BD)	51.73	77.59	230	2100
HUNI EHASS -61 (L;R; BD)	61.95	92.92	225	2000
HUNI EHASS -82 (L;R; BD)	82.13	123.19	200	1700
HUNIEHASS -100 (L;R; BD)	102.5	153.75	190	1600
HUNI EHASS -125 (L;R; BD)	127.5	191.25	170	1600

ASAE ISO SERIE

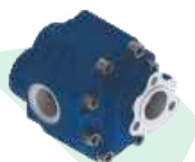
Code Number	Displacement		Max. Continuous Pressure Bar	Max. Continuous Speed d/dk
	cm ³	Lt (1500d/dk)		
HASAE ISO R (L) EHASS -17	17.2	25.8	300	2600
HASAE ISO R (L) EHASS -27	27.3	40.95	290	2600
HASAE ISO R (L) EHASS -34	33.8	50.7	285	2300
HASAE ISO R (L) EHASS -43	43.8	65.7	280	2100
HASAE ISO R (L) EHASS -51	51.73	77.59	230	2100
HASAE ISO R (L) EHASS -61	61.95	92.92	225	2000
HASAE ISO R (L) EHASS -82	82.13	123.19	200	1700
HASAE ISO R (L) EHASS -100	102.5	153.75	190	1600
HASAE ISO R (L) EHASS -125	127.5	191.25	170	1600

GR 35 ISO SERIE

Code Number	Displacement		Max. Continuous Pressure Bar	Max. Continuous Speed d/dk
	cm ³	Lt (1500d/dk)		
HISO-ERCAH 60-BD	63.5	95.25	250	1800
HISO-ERCAH 80-BD	80.3	120.45	230	1800
HISO-ERCAH 90-BD	90.2	135.3	230	1800
HISO-ERCAH 110-BD	114.5	171.75	205	1800


GR 35 UNISERIE

Code Number	Displacement		Max. Continuous Pressure Bar	Max. Continuous Speed d/dk
	cm ³	Lt (1500d/dk)		
HUNI-ERCAH 60-BD	63.5	95.25	250	1800
HUNI-ERCAH 80-BD	80.3	120.45	230	1800
HUNI-ERCAH 90-BD	90.2	135.3	230	1800
HUNI-ERCAH 110-BD	114.5	171.75	205	1800


GR 40 ISO SERIE

Code Number	Displacement		Max. Continuous Pressure Bar	Max. Continuous Speed d/dk
	cm ³	Lt (1500d/dk)		
HISO-GANI 63-L (R)	63.2	94.8	280	1800
HISO-GANI 73-L (R)	73.1	109.65	275	1800
HISO-GANI 87-L (R)	87.25	130.87	265	1800
HISO-GANI 109-L (R)	108.9	163.35	240	1800
HISO-GANI 133-L (R)	132.95	199.42	230	1500
HISO-GANI 151-L (R)	151.1	226.65	180	1500


GR 40 UNISERIE

Code Number	Displacement		Max. Continuous Pressure Bar	Max. Continuous Speed d/dk
	cm ³	Lt (1500d/dk)		
HUNI-GANI 63-L (R)	63.2	94.8	280	1800
HUNI-GANI 73-L (R)	73.1	109.65	275	1800
HUNI-GANI 87-L (R)	87.25	130.87	265	1800
HUNI-GANI 109-L (R)	108.9	163.35	240	1800
HUNI-GANI 133-L (R)	132.95	199.42	230	1500
HUNI-GANI 151-L (R)	151.1	226.65	180	1500





BENT AXIS ISO SERIE

Code Number	Displacement		Max. Continuous Pressure Bar	Max. Continuous Speed d/dk
	cm ³	Lt (1500d/dk)		
HISO-FEYZ 45-L (R)	45.6	68.4	300	2550
HISO-FEYZ 56-L (R)	56	84	300	2300
HISO-FEYZ 65-L (R)	64.5	96.75	300	2300
HISO-FEYZ 80-L (R)	80.4	120.6	300	2135
HISO-FEYZ 107-L (R)	106.7	160	300	1850

6 PISTONS

Code Number	Displacement		Max. Continuous Pressure Bar	Max. Continuous Speed d/dk
	cm ³	Lt (1500d/dk)		
HISO-YED-26-BD	41	61.5	250	1800
HISO-YED-52-BD	52.15	78.22	250	1800

8 PISTONS

Code Number	Displacement		Max. Continuous Pressure Bar	Max. Continuous Speed d/dk
	cm ³	Lt (1500d/dk)		
HISO-ISRAK-20-BD	20	30	350	1800
HISO-ISRAK-26-BD	26.5	39.75	350	1800
HISO-ISRAK-34-BD	33.75	50.62	350	1800
HISO-ISRAK-42-BD	41.5	62.25	350	1800
HISO-ISRAK-46-BD	46.5	69.75	350	1800
HISO-ISRAK-52-BD	51.97	77.95	350	1800
HISO-ISRAK-60-BD	61.5	92.25	300	1500

9 PISTONS

Code Number	Displacement		Max. Continuous Pressure Bar	Max. Continuous Speed d/dk
	cm ³	Lt (1500d/dk)		
HISO-KAVI-60-BD-A	60.23	90.34	270	1500
HISO-KAVI-80-BD-A	81.1	178.42	270	1500

10 PISTONS

Code Number	Displacement		Max. Continuous Pressure Bar	Max. Continuous Speed d/dk
	cm ³	Lt (1500d/dk)		
HISO-CELAL-70-BD	69.8	104.7	300	1500
HISO-CELAL-80-BD	79.5	119.25	300	1500
HISO-CELAL-90-BD	89.4	134.1	300	1500
HISO-CELAL-100-BD	99.8	149.7	300	1500

GR 30 TRC GEAR PUMP

Code Number	Displacement		Max. Continuous Pressure Bar	Max. Continuous Speed d/dk
	cm ³	Lt (1500d/dk)		
HTRC -EHASS 17-L(R)	17.2	25.8	300	2600
HTRC -EHASS 27-L(R)	27.3	40.95	290	2600
HTRC -EHASS 34-L(R)	33.8	50.7	285	2300
HTRC -EHASS 43-L(R)	43.8	65.7	280	2100
HTRC -EHASS 51-L(R)	51.73	77.6	230	2100
HTRC -EHASS 61-L(R)	61.95	92.92	225	2000
HTRC -EHASS 82-L(R)	82.13	123.19	200	1700
HTRC -EHASS 100-L(R)	102.5	153.75	190	1600
HTRC -EHASS 125-L(R)	127.5	191.25	170	1600


KAWASAKI SERIE

Code Number	Displacement		Max. Continuous Pressure Bar	Max. Continuous Speed d/dk
	cm ³	Lt (1500d/dk)		
HKVC 38	38	57	250	1500
HKVC 55	55	82.5	250	1500
HKVC 58	58	87	250	1500
HKVC 70	70	105	250	1500
HKVC 85	85	127.5	250	1500
HKVC 100	100	150	230	1500
HKVC 110	110	165	230	1500


KAWASAKI SERIE

Code Number	Displacement		Max. Continuous Pressure Bar	Max. Continuous Speed d/dk
	cm ³	Lt (1500d/dk)		
HG1040WF1031	40	60	280	2500


JCB SERIE

Code Number	Rotation	Displacement Cm ³ /rev	Shaft Type
H20/925279	Right	23 + 23	15 Teeth
H20/925339	Right	36 + 26	15 Teeth
H20/912800	Left	36 + 26	Keyed
H332/F9030-20/925580	Right	36 + 29	15 Teeth
H20/911200	Left	41 + 26	Keyed
H20/925340	Right	41 + 26	15 Teeth



LIGHT PUMP FLANGES (SET)

Code Number	Center Dimension	Type	Thread Type	Bolt Type
HHP A 30x30	30x30	Straight	3/8 "	M6-M6
HHP A 30x40	30x40	Straight	3/8 " or 1/2 "	M6-M8
HHP A 35x35	35x35	Straight	3/8 "	M6-M6
HHP A 40x40	40x40	Straight	1/2 "	M8-M8
HHP A 48x48	48x48	Straight	3/4 "	M8-M8
HHP A 51x51	51x51	Straight	3/4 "	M10-M10
HHP A 56x56	56x56	Straight	3/4 "	M10-M10

HEAVY PUMP (SINGLE)


Code Number	Center Dimension	Type	Thread Type	Bolt Type
HAPA-30	30	Straight	3/8 "	M6
HAPA-35	35	Straight	3/8 "	M6
HAPA-40	40	Straight	1/2 "	M8
HAPA-48	48	Straight	3/4 "	M8
HAPA-51	51	Straight	3/4 "	M10
HAPA-56	56	Straight	3/4 "	M10

**90° ELBOW PUMP FLANGES
(THREE HOLES – SINGLE)**

Code Number	Center Dimension	Type	Thread Type	Bolt Type
HDP A 30	30	Elbow	3/8 " or 1/2 "	M6
HDP A 35	35	Elbow	3/8 " or 1/2 "	M6
HDP A 40	40	Elbow	1/2 " or 3/4 "	M8
HDP A 48	48	Elbow	3/4 " or 1	M8
HDP A 51	51	Elbow	3/4 " or 1	M10
HDP A 56	56	Elbow	3/4 " or 1	M10




90° ELBOW PUMP FLANGES (FOUR HOLES – SINGLE)




Code Number	Center Dimension	Type	Thread Type	Bolt Type
HDP A 30-4	30	Elbow	3/8 " or 1/2 "	M6
HDP A 35-4	35	Elbow	3/8 " or 1/2 "	M6
HDP A 40-4	40	Elbow	1/2 " or 3/4 "	M8
HDP A 51-4	51	Elbow	3/4 " or 1 "	M8
HDP A 56-4	56	Elbow	3/4 " or 1 "	M10

PUMP FLANGES (SAE – 205 bar)



Code Number	Center Dimension	Type	Thread Type	Bolt Type
HSAE 1/2 "	38.1	Straight	1/2 "	M8
HSAE 3/4 "	47.6	Straight	3/4 "	M10
HSAE 1 "	52.4	Straight	1 "	M12
HSAE 1 1/4 "	58.7	Straight	1 1/4 "	M14
HSAE 1 1/2 "	70	Straight	1 1/2 "	M16
HSAE 2 "	77.8	Straight	2 "	M20

PUMP FLANGES (SAE – 410 bar)



Code Number	Center Dimension	Type	Thread Type	Bolt Type
HSAE 1/2 "	40.49	Straight	1/2 "	M8
HSAE 3/4 "	50.8	Straight	3/4 "	M10
HSAE 1 "	57.15	Straight	1 "	M12
HSAE 1 1/4 "	66.68	Straight	1 1/4 "	M14
HSAE 1 1/2 "	79.38	Straight	1 1/2 "	M16
HSAE 2 "	96.82	Straight	2 "	M20

BELL HOUSINGS LANTERNE POUR MOTEUR ELECTRIQUE



GR 20 SERIE

Code Number	Motor Power kW
H1K-160	0.25-0.37
H1K-200	0.55-0.75-1-1.1-1.5
H1K-250	2.2-3-3.7-4
H1K-300	5.5-7.5-10
H1K-350	11-15-18.5-22



GR 10 SERIE

Code Number	Motor Power kW
H0K-140	0.09-0.12-0.18
H0K-160	0.25-0.37
H0K-200	0.55-0.75-1-1.1-1.5
H0K-250	2.2-3-3.7-4



KAVI SERIE

Code Number	Pump Dimension mm	Motor Power kW
HKV-200	80.5-82.7	0.55-0.75-1-1.1-1.5
HKV-250	80.5-82.7	2.2-3-3.7-4
HKV-300	80.5-82.7, 100-101.8	5.5-7.5-10
HKV-350	80.5-82.7, 100-101.8	11-15-18.5-22



GR 30 SERIE

Code Number	Motor Power kW
H2K-200	0.55-0.75-1-1.1-1.5
H2K-250	2.2-3-3.7-4
H2K-300	5.5-7.5-10
H2K-350	11-15-18.5-22

DIMENSIONS

Code Number	Motor Power kW	A	B	C	D
H1K-160	0.25-0.37	160	110	36.5	M6
H1K-200	0.55-0.75-1-1.1-1.5	200	130	36.5	M6
H1K-250	2.2-3-3.7-4	250	180	36.5	M6
H1K-300	5.5-7.5-10	300	230	36.5	M6
H1K-350	11-15-18.5-22	350	250	36.5	M6
H2K-200	0.55-0.75-1-1.1-1.5	200	130	50.5	M8
H2K-250	2.2-3-3.7-4	250	180	50.5	M8
H2K-300	5.5-7.5-10	300	230	50.5	M8
H2K-350	11-15-18.5-22	350	250	50.5	M8
HKV-200	0.55-0.75-1-1.1-1.5	200	130	80.5, 82.7	
HKV-250	2.2-3-3.7-4	250	180	80.5, 82.7	
HKV-300	5.5-7.5-10	300	230	80.5-82.7, 100-101.8	
HKV-350	11-15-18.5-22	350	250	80.5-82.7, 100-101.8	

**PROCESSED ELASTIC
GEAR COUPLINGS**


Code Number	Pump Type	Dimension of motor shaft mm
H14DÇ	GR 10-20	14
H24DÇ	GR 10-20	14-19-24
H28DÇ	GR 10-20-30	14-19-24-28
H32DÇ	GR 20-30	19-24-28
H38DÇ	GR 20-30	24-28-38
H42DÇ	GR 20-30	24-28-38-42
H48DÇ	GR 20-30	28-38-42-48
H55DÇ	GR 20-30	38-42-48-55
H60DÇ	GR 20-30	42-48-55-60

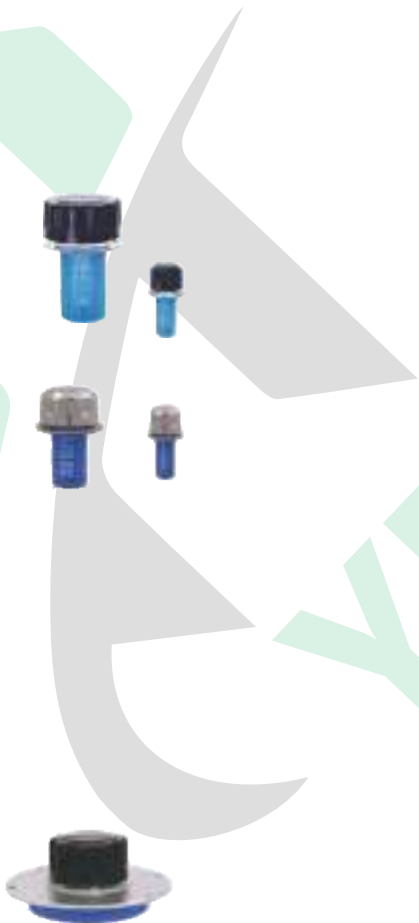

DIMENSIONS

Type	Dimensions							Shaft						Power kW
	A	A1	B	F	E	C	G	MOTOR			PUMP			
H14DÇP	44	40	33	23	21	28	1	-	-	-	-	-	-	0.25-0.37
H14DÇ	51	40	33	24	24	28	3	-	-	-	14	10	20	0.25-0.37
H24DÇ	58	54	44	35	28	34	2	-	14	19	24	10	20	1.1-1.5
H28DÇ	82	68	56	45	40	40	2	14	19	24	28	20	30	2.2-4
H32DÇ	83	76	59	49	40	45	3	-	19	24	28	20	30	2.2-4
H38DÇ	85	84	68	57	42	48	2	-	24	28	38	20	30	5.5-7.5
H42DÇ	86	88	71	60	42	50	2	24	28	38	42	20	30	11-15
H48DÇ	100	100	78	65	47	51	3	28	38	42	48	20	30	18.5-22
H55DÇ	114	120	98	85	55	63	3	38	42	48	55	20	30	30
H60DÇ	138	140	111	98	68	71	2	42	48	55	60	20	30	37-45



SUCTION FILTERS

Code Number	Type	Connection Size
HHPF-5	5 lt/min	1/4 "
HHPF-15	15 lt/min	1 "
H HPF-25	25 lt/min	1 "
H HPF-45	45 lt/min	1 "
HHPF-65	65 lt/min	1 1/2 "
HHPF-90	90 lt/min	1 1/2 "
HHPF-125	125 lt/min	1 1/2 "
H HPF-180	180 lt/min	1 1/2 "
H HPF-225	225 lt/min	2 "
H HPF-300	300 lt/min	2 "
H HPF-500	500 lt/min	2 "
H HPF-750	750 lt/min	3 "
H HPF-1400	1400 lt/min	3 "



TANK COVERS

Code Number	Type
HMDK	Mini tank cover
HSDK	Standard tank cover
HZDK	Chained tank cover
HVDK	Tank cover with bolts
HMDK-K-Kromaj	Mini tank cover
HSDK-K-Kromaj	Standard tank cover
HZDK-K-Kromaj	Chained tank cover
HVDK-K-Kromaj	Tank cover with bolts

MAINTENANCE COVERS

Code Number	Type
HSBK	Standard tank cover
HZBK	Chained tank cover
HVBK	Tank cover with bolts

100% LEAK FREE WELDLESS STEEL TANKS FOR POWER UNITS ORDERING

HPW ST

Capacity

6: 6 liter
12: 12 liter
25: 25 liter
40: 40 liter
70: 70 liter
100: 100 liter
160: 160 liter
250: 250 liter

Assembly

1: Bottom
2: Behind (For 6 & 12 liters only)

Cleaning hole position

A: Front
B: Side
C: Without cleaning hole

Cover Style

X: Without cover
A: Only cover
B: Cover with air breather hole
C: Cover with air breather and bellhousing hole
D: Cover with air breather , bellhousing and return filter hole

Bellhousing Diameter

140: 140 mm. (6, 12 liter)
160: 160 mm. (6, 12, 25, 40 liter)
200: 200 mm. (6, 12, 25, 40, 70, 100 liter)
250: 250 mm. (25, 40, 70, 100, 160, 250 liter)
300: 300 mm. (40, 70, 100, 160, 250 liter)
350: 350 mm. (70, 100, 160, 250 liter)
400: 400 mm. (160, 250 liter)

Order example: HPWST 70 C 250 C 1

70 liter oil tank with air breather & bellhousing hole (250 mm. bellhousing dia.)
without cleaning hole, bottom assembly



- Tank body sheet metal thickness is 2 mm.
- Standard body color is RAL5007. (Can change according to customer)
- Cover is st52 sheet metal with thickness of 3 mm.(Can change according to customer)
- Cover is supplied without paint as standard.
- Special cover cut can be made according to customer
- Ready to assemble oil level indicator



CHECK VALVES

- Cartridge style, hybrid and insert type check valves
- Different cavity options
- From 10 liter/min up to 400 liter/min max.flow rate



FLOW CONTROL

- Insert and cartridge style flow control valves
- Direct acting , pressure compensated or poppet type
- From 12 liter/min up to 45 liter/min max.flow rate



PILOT CHECK VALVES

- Internal and external piston style pilot check valves
- Different cavity options
- From 30 liter/min up to 100 liter/min max.flow rate



PILOT OPERATED RELIEF VALVES

- Cartridge style pilot operated relief valves
- Different cavity options
- From 100 liter/min up to 270 liter/min max.flow rate
- Different pressure setting range



RELIEF VALVES

- Cartridge style, insert type relief valves
- Different cavity options
- From 2 liter/min up to 150 liter/min max.flow rate
- Different pressure setting range



PO RELIEF ANTI CAVITATION



- Cartridge style
- Different cavity options
- From 100 liter/min up to 250 liter/min max.flow rate
- Spring range up to 420 bar

PRESSURE REDUCING VALVES



- Cartridge style pressure reducing valves
- Different cavity options
- 20 liter/min max.flow

SHUTTLE VALVES



- Insert and cartridge style shuttle valves
- Direct acting, ball type
- Different cavity options
- From 4 liter/min up to 60 liter/min max.flow rate

SOLENOID VALVES

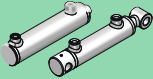
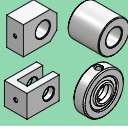
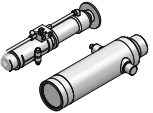
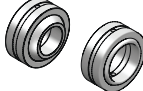
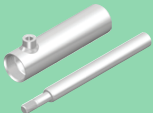


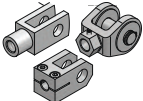

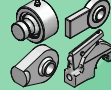
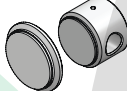
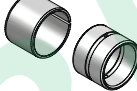
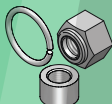

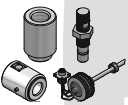
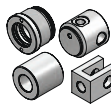

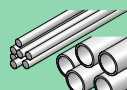





- 2/2, 3/2, 4/2 and 4/3 solenoid valves
- Various hydraulic schemes
- Direct acting spool or seated type
- Manual override option
- Different cavity options
- From 7 liter/min up to 80 liter/min max.flow rate

SQUENCE VALVES



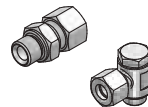
- Inline and cartridge style sequence valves
- Different cavity options
- From 25 liter/min up to 60 liter/min max.flow rate

	VERINS STANDARD STANDARD CYLINDERS		FIXATIONS ENDS
	VERINS SPECIAUX SPECIAL CYLINDERS		ROTULES "GE" "GE" BEARINGS
	TUBES ET TIGES USINES TURNED CYLINDER TUBES AND TURNED CHROMED RODS		EMBOUTS A ROTULE INDUSTRIELS INDUSTRIAL BALL-JOINT ENDS
	TETE DE GUIDAGE HEAD BUSHES		CHAPES FEMELLE INDUSTRIELLES INDUSTRIAL FORKS
	PISTON PISTONS		BASES OSCILLANTES ET EMBOUTS AGRICOLES SWINGING ENDS AND AGRICULTURE BALL-JOINT ENDS
	FOND END PLUGS		BAGUES AUTOLUBRIFIANTES ET CEMENTEES SELF LUBRICATING AND CASE- HARDENED BUSHING
	ACCESSOIRES ACCESSORIES		COMPOSANTS EN POUCES COMPONENTS IN IMPERIAL SIZES
	COMPOSANTS POUR VERINS AVEC CAPTEUR COMPONENTS FOR CYLINDERS WITH SENSOR		COMPOSANTS INOX STAINLESS STEEL COMPONENTS
	COMPOSANTS POUR VERINS AMORTIS COMPONENTS FOR CYLINDERS WITH CUSHIONING SYSTEM		MATIERES PREMIERES RAW MATERIAL
	BOITES KITS COMPOSANTS KIT OF CYLINDER PARTS IN BOXES		ACCESSOIRES POUR MONTAGE VERINS ACCESSORIES FOR CYLINDER ASSEMBLING
	FIXATIONS A SOUDER SUR LE TUBE WELDABLE ATTACHMENTS ON THE		

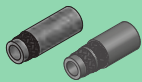
COMPOSANTS POUR CIRCUITS HYDRAULIQUES COMPONENTS FOR HYDRAULIC SYSTEM



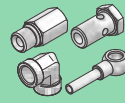
COLLIERS DE SERRAGE ET
RONDELLES BONDED
CLAMPS AND BONDED SEALS



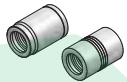
RACCORDS A BAGUE DIN 2353
RING FITTINGS DIN 2353



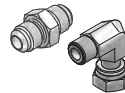
TUYAUX FLEXIBLES
FLEXIBLE HYDRAULIC HOSES



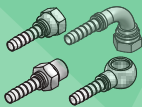
ADAPTATEURS BSP ET METRIQUES
BSP AND METRIC ADAPTERS



JUPES A SERTIR
CRIMP FERRULES



ADAPTATEURS JIC ET ORFS
JIC AND ORFS ADAPTERS



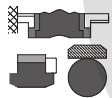
RACCORDS A SERTIR
CRIMP FITTINGS

JOINTS - SEALS

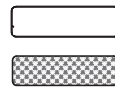
CARACTERISTIQUES TECHNIQUES TECHNICAL SPECIFICATIONS



RACLEURS
WIPERS



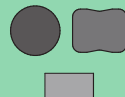
JOINTS DE PISTON
PISTON SEALS



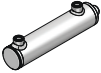
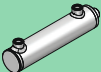


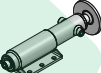

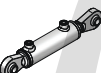
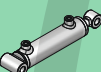
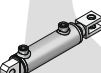
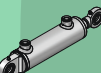



BAGUES DE GUIDAGE
GUIDE RINGS















JOINTS DE TIGE
ROD SEALS




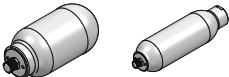




JOINTS STATIQUES
STATIC SEALS

	Description	Series	Type
	VERIN DOUBLE EFFET STANDARD STANDARD DOUBLE ACTING CYLINDER	M250	HM0
	STANDARD DOUBLE ACTING CYLINDER	C200	HM0LM
	VERIN DOUBLE EFFET STANDARD STANDARD DOUBLE ACTING CYLINDER	P350	HM0PM
	VERIN DOUBLE EFFET AVEC BRIDE SOUDEE DOUBLE ACTING CYLINDER WITH FLANGE	M250	HMF
	VERIN STABILISATEUR HYDRAULIC STABILIZER CYLINDER	M250	HMS
	VERIN DOUBLE EFFET TYPE "HFR2S" DOUBLE ACTING CYLINDER "HFR2S" TYPE	M250	HFR2S
	VERIN DOUBLE EFFET STANDARD AVEC FIXATIONS DOUBLE ACTING CYLINDER WITH ENDS	M250	HM1
	VERIN DOUBLE EFFET STANDARD AVEC FIXATIONS DOUBLE ACTING CYLINDER WITH ENDS	M250	HM2
	VERIN DOUBLE EFFET STANDARD AVEC FIXATIONS DOUBLE ACTING CYLINDER WITH ENDS	M250	HM5
	VERIN DOUBLE EFFET STANDARD AVEC FIXATIONS DOUBLE ACTING CYLINDER WITH ENDS	M250	HMB
	VERIN DOUBLE EFFET STANDARD AVEC FIXATIONS DOUBLE ACTING CYLINDER WITH ENDS	M250	HMC
	VERIN PLONGEUR STANDARD STANDARD PLUNGER CYLINDER	M250	HT0
	VERIN PLONGEUR TYPE "HFRT" PLUNGER CYLINDER "HFRT" TYPE	M250	HFRT
	CARACTERISTIQUES TECHNIQUES TECHNICAL SPECIFICATIONS		

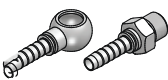
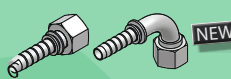
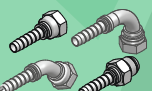

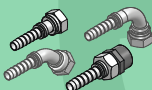
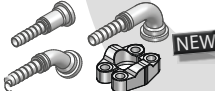
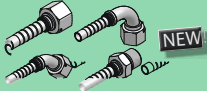
	Description	Series	Type
	TETE DE GUIDAGE HEAD BUSH	M250	HCG
	TETE DE GUIDAGE HEAD BUSH	M250	HCG30
	TETE DE GUIDAGE HEAD BUSH	M250	HCGMM
	TETE DE GUIDAGE HEAD BUSH	C200	HCGLM
	TETE DE GUIDAGE HEAD BUSH	P350	HCGPM
	TETE DE GUIDAGE HEAD BUSH	M250	HCGT
	TETE DE GUIDAGE HEAD BUSH	M250	HCGHFT
	POCHETTES DE JOINTS SEAL KITS		HGKG

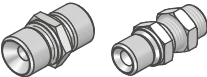
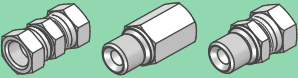
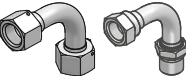
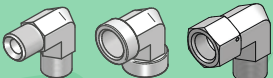



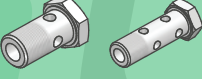
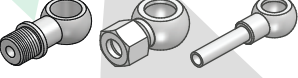
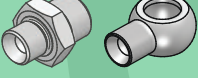
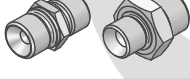
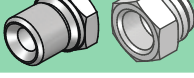


	Description	Series	Type
	PISTON PISTON	M250	HCT
	PISTON PISTON	M250	HCT30
	PISTON PISTON	C200	HCTLM
	PISTON POUR VERIN SIMPLE EFFET PISTON FOR SINGLE ACTING CYLINDER	M250	HCTSE
	PISTON TARAUDE AVEC VIS DE BLOCAGE THREADED PISTON WITH GRUB SCREW	P350	HCTPM
	PISTON TARAUDE AVEC VIS DE BLOCAGE THREADED PISTON WITH GRUB SCREW	M250	HCTFV
	PISTON TARAUDE THREADED PISTON	M250	HCTF
	PISTON TARAUDE THREADED PISTON	M250	HCTBF
	PISTON TARAUDE AVEC SON GRAIN POUR JOINT BASSE FRICTION THREADED PISTON WITH GRUB SCREW FOR LOW FRICTION SEAL	M250	HCTFGV
	PISTON POUR VERIN PLONGEUR PISTON FOR PLUNGER CYLINDER	M250	HCTT
	PISTON POUR VERIN PLONGEUR PISTON FOR PLUNGER CYLINDER	M250	HCTTB
	POCHETTES DE JOINTS SEAL KITS		HGKG

	Description	Type
	TUBE GLACE H9 POLISHED TUBE H9	HFT
	TUBE RODE H8 HONED TUBE H8	HFTL
	TIGE CHROMEE C45 CHROME PLATED ROD C45	HFAC
	20MnV6 TIGE CHROMEE 20MnV6 CHROME PLATED ROD	HFACV
	500H TIGE CHROMEE 500H CHROME PLATED ROD	HFACM
	TUBE HYDRAULIQUE EN ACIER FEED PIPE	HFTE
 NEW	TUBE HYDRAULIQUE ZINGUE ZINC PLATED FEED PIPE	HFTZ
	FONTE CAST IRON	HFGP
	INOX AISI 316 - TUBE RODE H8 AISI 316 STAINLESS STEEL - HONED TUBE H8	HFTLX
	INOX AISI 304 - TIGE CHROMEE AISI 304 STAINLESS STEEL - CHROME PLATED ROD	HFAX304
	INOX AISI 316 - TIGE CHROMEE AISI 316 STAINLESS STEEL - CHROME PLATED ROD	HFAX316













	Description	Type
	ACCUMULATEUR HYDROPNEUMATIQUE A MEMBRANE DIAPHRAGM HYDROPNEUMATIC ACCUMULATOR	HH
	ACCUMULATEUR HYDROPNEUMATIQUE A MEMBRANE DIAPHRAGM HYDROPNEUMATIC ACCUMULATOR	HHST
	ACCUMULATEUR HYDROPNEUMATIQUE A VESSIE BLADDER HYDROPNEUMATIC ACCUMULATOR	HHTR
	ACCUMULATEUR HYDROPNEUMATIQUE A VESSIE BLADDER HYDROPNEUMATIC ACCUMULATOR	HHB
	COLLIERS POUR FIXAGE ACCUMULATEURS MOUNTING CLAMPS FOR ACCUMULATORS	HACR HACRE
	OUTILLAGE DE GONFLAGE ACCUMULATEURS CASE FOR FILLING AND CONTROL DEVICE FOR ACCUMULATORS	HACAR
	PRESSOSTAT REGLABLE ADJUSTABLE PRESSURE SWITCH	HF5 HF4
	PRESSOSTAT REGLABLE ADJUSTABLE PRESSURE SWITCH	HK5
	PRESSOSTAT ELECTRONIQUE VISUEL ELECTRONIC PRESSURE SWITCH DISPLAY	HKL5
	THERMOSTAT BIMETALLIQUE BIMETALLIC THERMOSTAT	HTM4
	MONOMETRE EN BAIN DE GLYCERINE - FIXATION RADIALE GLYCERINE PRESSURE GAUGE - RADIAL FITTING	HAMGR
	PRISE DE PRESSION THREADED COUPLING	HAM-E HAM-C HAM-D
	SUPPORT MANOMETRE ET CONNECTION SUPPORT MANOMETRE GAUGE ADAPTER AND SWIVEL PRESSURE GAUGE CONNECTION	HAM20 HAM18 HAM18.M
	ROBINET D'EXCLUSION MANOMETRE GAUGE ISOLATOR	HEMIL HEM90














Description		Type
 NEW	TUYAU FLEXIBLE FLEXIBLE HYDRAULIC HOSE	EN 853-1SN Exceed SAE 100 R1AT H1SN
 NEW	TUYAU FLEXIBLE FLEXIBLE HYDRAULIC HOSE	EN 853-2SN Exceed SAE 100 R2AT H2SN
 NEW	TUYAU FLEXIBLE FLEXIBLE HYDRAULIC HOSE	EN 857-1SC H1SC
 NEW	TUYAU FLEXIBLE FLEXIBLE HYDRAULIC HOSE	EN 857-2SC H2SC
 NEW	TUYAU FLEXIBLE FLEXIBLE HYDRAULIC HOSE	Exceed EN 857-1SC HTSC-LL
 NEW	TUYAU FLEXIBLE FLEXIBLE HYDRAULIC HOSE	Exceed EN 857-2SC H2SC-LL
 NEW	TUYAU FLEXIBLE FLEXIBLE HYDRAULIC HOSE	EN 856-4SP ISO 3862-4SP Exceed EN 856-4SH ISO 3862-4SH H4SP H4SH
 NEW	TUYAU FLEXIBLE FLEXIBLE HYDRAULIC HOSE	Exceed EN 857-1SC ISO 7751 H1SC-JET
 NEW	TUYAU FLEXIBLE FLEXIBLE HYDRAULIC HOSE	Exceed EN 857-1SC ISO 7751 H2SC-JET
 NEW	TUYAU FLEXIBLE FLEXIBLE HYDRAULIC HOSE	SAE 100 R7 SAE 100 R8 HR7 HR8
	TUYAU FLEXIBLE FLEXIBLE HYDRAULIC HOSE	SAE 100 R6 HR6
	TUYAU FLEXIBLE FLEXIBLE HYDRAULIC HOSE	SAE 100 R4 HR4
	FLEXIBLE PVC PVC HOSE	HPVC
	SPIRALE ET GAINE TEXTILE DE PROTECTION SPIRAL AND TEXTILE PROTECTION SHEATHS	HGS HGT








	Description	Type	Type
	RACCORD A SERTIR BSP - CONE 60° BSP CRIMP FITTING - 60° CONE	Femelle -Female 90° / 45°	HR0051 HR0151 HR0251 HR2321
	RACCORD A SERTIR BSP + O-RING - CONE 60° BSP CRIMP FITTING + O-RING - 60° CONE	Femelle -Female 90° / 45°	HR0041 HR0141 HR0241
	RACCORD A SERTIR BSP - EVASE 60° BSP CRIMP FITTING - 60° CONE SEAT	Banjo -Banjo Mâle -Male	HR1400 HR0350 HR0360 HR0370
	RACCORD A SERTIR METRICI - CONE 24°/60° METRIC CRIMP FITTING - 24°/60° CONE	Femelle -Female 90°	HR0035 HR0135
	RACCORD A SERTIR METRICI - EVASE 60° METRIC CRIMP FITTING - 60° CONE SEAT	Mâle - Male Banjo - Banjo	HR0400 HR1350
	RACCORD A SERTIR JIC - EVASE 74° JIC CRIMP FITTING - 74° CONE SEAT	Femelle -Female 90° / 45° Mâle -Male	HR0901 HR0951 HR1001 HR0850
	RACCORD A SERTIR DKOL - CONE 24° DKOL CRIMP FITTING - 24° CONE	Femelle -Female 90° / 45° Mâle -Male	HR0085 HR0185 HR0285 HR0500
	RACCORD A SERTIR DKOS - CONE 24° DKOS CRIMP FITTING - 24° CONE	Femelle - Female 90° / 45° Mâle -Male	HR0084 HR0184 HR0284 HR0450
	RACCORD A SERTIR TUYAU METRIQUE STANDPIPE CRIMP FITTING	Embout lisse -Straight standpipe 90° / 45°	HR0550 HR0650 HR0750
	RACCORD A SERTIR "ORFS" "ORFS" CRIMP FITTING	Femelle -Female 90° / 45° Mâle - Male	HRS050 HRS250 HRS05T HRS350 HRS150
	RACCORD A SERTIR - BRIDE SAE 3000 CRIMP FITTING - SAE FLANGE 3000	Bride droite - Straight flange 90° / 45° Demi-bride -Split Flange	HR1260 HR1060 HR1160 HR5003
	RACCORD A SERTIR - BRIDE SAE 6000 CRIMP FITTING - SAE FLANGE 6000	Bride droite - Straight flange 90° / 45° Demi-bride - Split Flange	HR1310 HR1110 HR1210 HR5006
	RACCORD A SERTIR "MULTISPIRAL" "MULTISPIRAL" CRIMP FITTING	Femelle -Female 90° / 45° Mâle - Male	HR0050M HR0150M HR0250M HR0350M
	RACCORD A SERTIR "INTER-LOCK" "INTER-LOCK" CRIMP FITTING	Femelle - Female 90° / 45° Mâle - Male	HR0050H HR0150H HR0250H HR0350H

	Description	Type	
	UNION M+M ET UNION MALE TRAVERSEE DE CLOISON STRAIGHT ADAPTER AND BULKHEAD	BSP	HRV001 RV003 HRV006 RV041
	UNION STRAIGHT ADAPTER AND EXTENSION	BSP	HRV021 RV060 HRV061 RV065 HRV011
	COUDE 90° 90° ADAPTER	BSP	HRV074 HRV071
	ADAPTATEUR COUDE 90° 90° ADAPTER	BSP	HRV141 RV3054 HRV151 RV122 HRV3200
	ADAPTATEUR EN "T" "TEE" ADAPTER	BSP	HRV171 RV181 HRV192 RV194
	REDUCTION REDUCING ADAPTER AND EXTENSION	BSP	HRV301 HRV311 HRV321
	BOUCHON MALE ET FEMELLE MALE AND FEMALE PLUG	BSP	HRV401 RV405 HRV406 RV414
	VIS PERCEE BOLT FOR BANJO	BSP	HRV431 HRV441
	BANJO FILETE ET A SOUDER THREADED AND WELDABLE BANJO	BSP	HRV540 RV454 HRV451 RV536 HRV531 RV535
	REDUCTION M+M ET BANJO FILETE REDUCING ANDAPTER AND THREADED BANJO	BSP/METRIC	HRV302 HRV452
	UNION M+M E REDUCTION STRAIGHT AND REDUCING ADAPTER	METRIC	RV002 RV303
	BOUCHON MALE ET FEMELLE MALE AND FEMALE PLUG	METRIC	RV402 RV407 RV415
	VIS PERCEE BOLT FOR BANJO	METRIC	RV432
	BANJO FILETE ET A SOUDER THREADED AND WELDABLE BANJO	METRIC	RV453 RV532

PISTON SEALS
JOINTS DE PISTON

	P.MAX bar	Speed m/s	Material	Temperature	Type
	350	0,5	NBR + POM + TPE NBR + POM + TPE	-30 +110 °C	HTPM
	350	0,5	NBR + POM + TPE NBR + POM + TPE	-30 +110 °C	HTPM/E
	350	0,5	NBR + POM + TPE NBR + POM + TPE	-30 +110 °C	HTPL
	350	0,5	NBR + POM + TPE NBR + POM + TPE	-30 +110 °C	HTPS/G
	400	0,8	NBR + Tissu + POM NBR + Fabric + POM	-30 +110 °C	HTPS/T
	500	0,5	NBR + Tissu + POM NBR + Fabric + POM	-30 +110 °C	HTDE
	700	0,5	NBR + Tissu + POM NBR + Fabric + POM	-30 +110 °C	HPDE
	600	1,5	NBR + PTFE + POM NBR + PTFE + POM	-30 +110 °C	HPDH
	400	0,5	NBR + Polyurethane + POM NBR + Polyurethane + POM	-30 +110 °C	HPDP
	700	0,5	NBR + Tissu + POM NBR + Fabric + POM	-30 +110 °C	HTGU
	300	0,5	NBR + Tissu NBR + Fabric	-30 +110 °C	HTRU
	400	0,5	Polyurethane Polyurethane	-35 +100 °C	HTTU
	350	0,5	Polyurethane Polyurethane	-35 +100 °C	HTTE
	500	0,5	Polyurethane + POM Polyurethane + POM	-35 +100 °C	HTTE/W

	P.MAX bar	Speed m/s	Material	Temperature	Type
	250	0,5	NBR + Tissu NBR + Fabric	-30 +110 °C	HTSE
	400	0,5	NBR + Tissu + POM NBR + Fabric + POM	-30 +110 °C	HTSE/AI HTSE/AE
	700	0,5	NBR + Tissu + POM NBR + Fabric + POM	-30 +110 °C	HPSE
	400	0,5	NBR + Tissu NBR + Fabric	-30 +110 °C	HGT5
	400	0,5	NBR + Tissu NBR + Fabric	-30 +110 °C	HGT7
	450	0,5	Polyurethane + POM Polyurethane + POM	-35 +100 °C	HTTH
	400	0,5	Polyurethane Polyurethane	-35 +100 °C	HTTS
	400	0,5	Polyurethane Polyurethane	-35 +100 °C	HTTI
	400	1,0	Polyurethane Polyurethane	-35 +100 °C	HTTX
	500	1,0	Polyurethane + POM Polyurethane + POM	-35 +100 °C	HTTX/S
	500	12	PTFE + NBR PTFE + NBR	-30 +100 °C	HGUA-RING 02
	500	15	PTFE + NBR PTFE + NBR	-30 +100 °C	HGIR
	120	0,2	NBR NBR	-20 +100 °C	HGD1 HGDIM

	P.MAX bar	Speed m/s	Material	Temperature	Type
	-	-	Polyurethane Polyurethane	-35 +100 °C	HGK HGK/P
	-	-	Polyurethane Polyurethane	-35 +100 °C	HGHW
	-	-	Polyurethane + Métal Polyurethane + Metal	-35 +100 °C	HGPA
	-	-	Polyurethane Polyurethane	-35 +100 °C	HGHP
	-	-	Polyurethane Polyurethane	-35 +100 °C	HGPW
	-	-	PTFE chargé + NBR PTFE reinforced + NBR	-30 +130 °C	HGHF
	-	-	NBR + Métal NBR + Metal	-30 +120 °C	HGHM/C

	P.MAX bar	Speed m/s	Material	Temperature	Type
	-	-	POM + Fibre de verre POM + Fiberglass	-40 +110 °C	HAGI
	-	-	POM + Fibre de verre POM + Fiberglass	-40 +110 °C	HAGE
	-	-	POM + Fibre de verre POM + Fiberglass	-40 +110 °C	HAGI/S
	-	-	Tissu + Résine Phénolique Fabric + Phenolic Resin	-40 +130 °C	HGAF
	-	-	PTFE + Bronze PTFE + Bronze	-40 +200 °C	HTEF-SEAL



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